PCG-GRT55E/GRT77E
PCG-GRT35F/GRT240G/GRT260G/GRT270G
PCG-GRT815E/GRT815M/GRT816M/GRT816S/GRT895MP/GRT896HP/GRT896SP

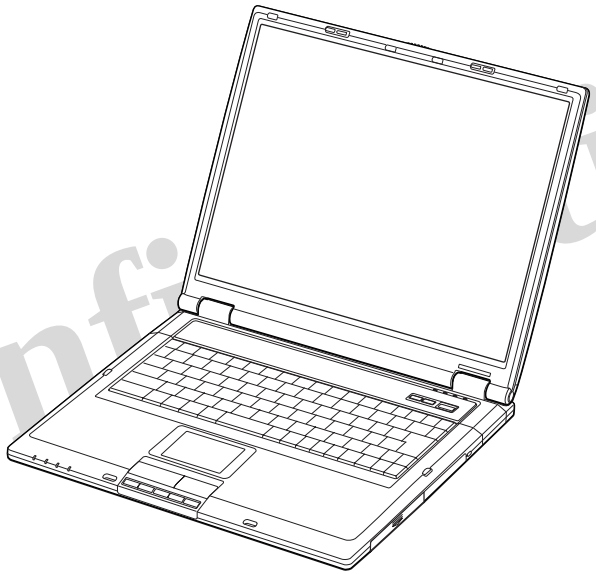
SERVICE MANUAL

Ver 6-2005F

Revision History

Area	Model	Line up	
Japanese	Japanese	PCG-GRT55E/B PCG-GRT5xE* PCG-GRT5xE/P* PCG-GRT77E/P PCG-GRT7xE* PCG-GRT7xE/P*	⚠1 [MA]
American	Latin	PCG-GRT35F	⚠2 [MA]
	US Canadian	PCG-GRT230* PCG-GRT240G	⚠2 [MA]
		PCG-GRT250* PCG-GRT260G	⚠2 [MA]
		PCG-GRT270* PCG-GRT270G	⚠2 [MA]
European	AEP UK	PCG-GRT815E PCG-GRT815M PCG-GRT816M PCG-GRT816S PCG-GRT895MP PCG-GRT896HP PCG-GRT896SP	⚠2 [MA] ⚠2 [MA]

* : CTO Model



Illust : PCG-GRT55E/B

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Wi Fi The Standard for Wireless Fidelity. i.LINK S400 MEMORY STICK

VAIO

- Design and specifications are subject to change without notice.
- 本機の仕様および外観は, 改良のため予告なく変更することがありますが, ご了承ください。

NOTEBOOK COMPUTER

SONY

9-876-343-06

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All other names of systems, products and services in this manual are trademarks or registered trademarks of their respective owners.
In this manual, the (TM) or (R) mark are not specified.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.
Dispose of used battery promptly.
Keep away from children.

CAUTION: Changing the back up battery.
- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the ⚠ mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

**ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!**

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は，"Revision History"として，本データ末に記載してあります。

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CHAPTER 1.
SPECIFICATIONS

	J		AM				EU						
	PCG-GRT55E/B	PCG-GRT77E/P	PCG-GRT270G	PCG-GRT260G	PCG-GRT240G	PCG-GRT35F	PCG-GRT896HP	PCG-GRT816M	PCG-GRT895MP	PCG-GRT815E	PCG-GRT815M	PCG-GRT896SP	PCG-GRT816S
CPU	M-Cel 2.20GHz	P4 2.66GHz	P4 2.80GHz	P4 2.80GHz	P4 2.66GHz	P4 2.80GHz	P4 2.80GHz	P4 2.80GHz	P4 2.80GHz	P4 2.80GHz	P4 2.80GHz	P4 2.80GHz	P4 2.80GHz
LCD	15XGA (Clear Black)	16.1SXGA+ (Clear Black)	16.1UXGA (Clear Black)	16.1SXGA+ (Clear Black)	15XGA Clear Black	15XGA (Clear Black)	16.0SXGA	16.1SXGA+ (Clear Black)	15XGA	15XGA (High Brightness)	15XGA (High Brightness)	16.1UXGA (Clear Black)	16.1SXGA+ (Clear Black)
HDD	60GB	80GB	80GB	80GB	60GB	80GB	60GB	60GB	60GB	60GB	80GB	80GB	80GB
Graphic	Ge Force4 420Go(32MB)	Ge Force4 420Go(32MB)	GeForce FX Go5600(64MB)	GeForce FX Go5600(64MB)	Ge Force4 420Go(32MB)	Ge Force4 420Go(32MB)	GeForce FX Go5600(64MB)	GeForce FX Go5600(64MB)	Ge Force4 420Go(32MB)	GeForce FX Go5600(64MB)	GeForce FX Go5600(64MB)	GeForce FX Go5600(64MB)	GeForce FX Go5600(64MB)
DDR MEMORY	256MB X 1	256MB X 2	512MB X 1	256MB X 2	256MB X 2	256MB X 2	256MB X 2	256MB X 2	256MB X 2	256MB X 2	256MB X 2	512MB X 2	256MB X 2
QUANTITY [STANDARD/MAX]	256MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	512MB / 1024MB	1024MB / 1024MB	512MB / 1024MB
OPT-DRIVE	DVD+-RW	DVD+-RW	DVD+-RW	DVD+-RW	DVD+-RW	DVD+-RW	DVD+-RW	CD-RW/ DVD-ROM	CD-RW/ DVD-ROM	DVD+-RW	DVD+-RW	DVD+-RW	DVD+-RW
TV tuner	○	○	○	○	○	X	X	X	X	X	X	X	X
int. Wireless LAN	X	X	○	○	○	○	○	X	○	X	X	○	X
AC adaptor	PCGA-AC19V6	PCGA-AC19V6	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7	PCGA-AC19V7
Battery	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX	PCGA-BP2NX
OS	WinXP Home	WinXP Pro	WinXP Home	WinXP Home	WinXP Home	WinXP Home	WinXP Pro	WinXP Home	WinXP Pro	WinXP Home	WinXP Home	WinXP Pro	WinXP Home
		⚠1 [MA]	⚠2 [MA]	⚠2 [MA]	⚠2 [MA]	⚠2 [MA]						⚠2 [MA]	⚠2 [MA]

• The trademarks or registered trademarks of above table, refer to page 2.

• 本表中の商標・登録商標については，2 ページをご参照ください。

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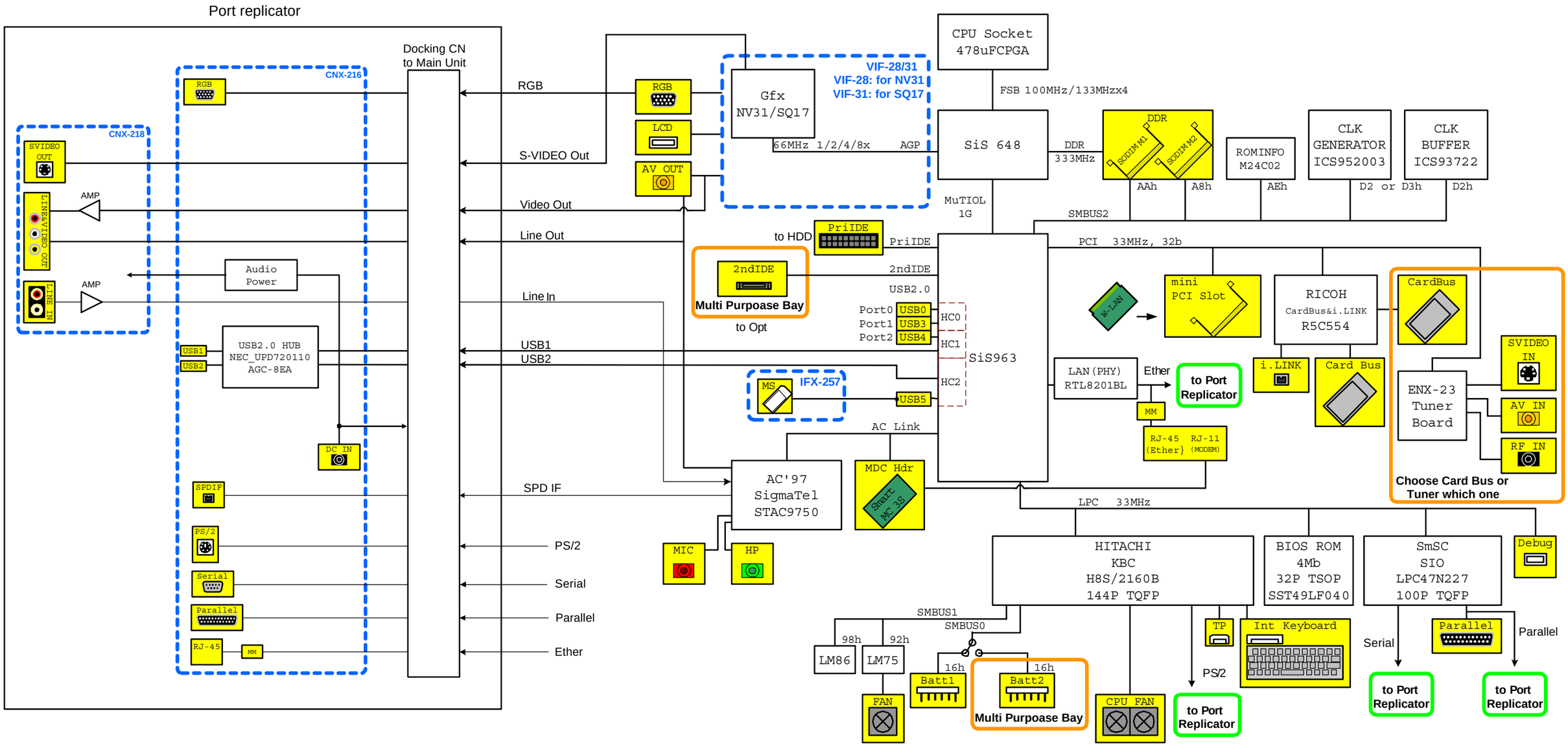
CHAPTER 2.
BLOCK DIAGRAM



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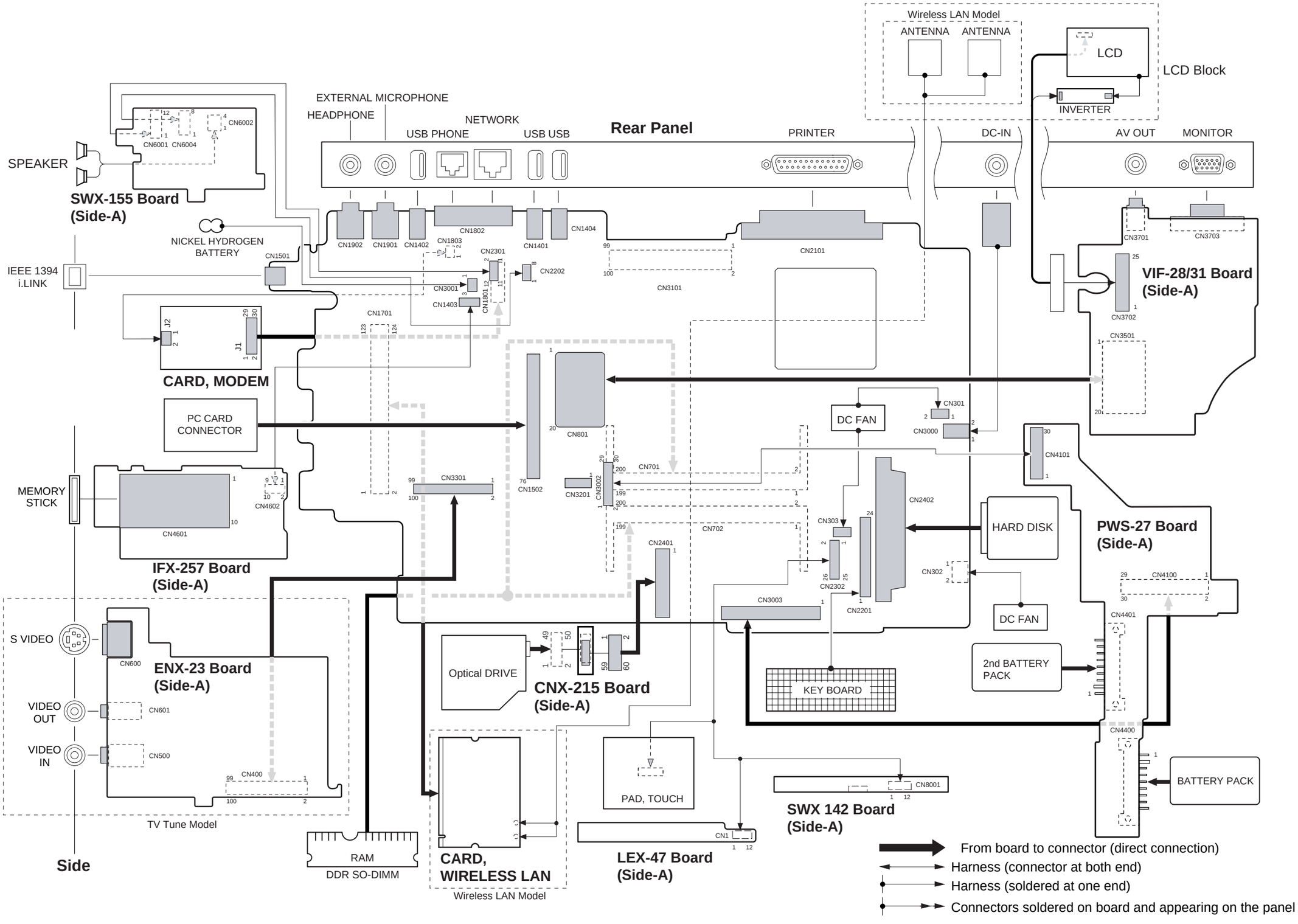
CHAPTER 3.

FRAME HARNESS DIAGRAM



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CHAPTER 4.

EXPLODED VIEWS AND PARTS LIST

- The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

- 分解図と部品表は，パームレスト，ボトムなどのブロックごとに分かれています。機種によって部品表のセクションが異なりますので，詳細は右下の一覧表を参照してください。

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B-1 (16-inch Model) 4-5
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Main Board └ ⚠3 **[COR]**
M-1 4-7
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HK-1 4-8
Other Parts
O-1 4-9
LCD
L-1 16-inch SXGA – Made by SH – 4-10
L-2 16-inch UXGA, SXGA (Clear Black) – Made by HI – 4-11
L-3 15-inch XGA (Clear Black) – Made by HI – 4-12
L-4 15-inch SXGA, XGA (Normal, High Brightness) – Made by SH – 4-13
L-5 14-inch XGA – Made by HI – 4-14
Accessory
A-1 4-15
DIP Switch 4-16

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- When two or more parts are shown, use the part described first as the main part.
- The parts marked " $ " are the High Value Modules (HVM).
- The parts marked " # " are the parts on which barcode label is attached.
  For the barcode label, refer to CHAPTER 5.
- The parts marked " & " are the "Customer Replacable Parts (CRP)" that can be replaced by Field Customer Support.
  Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replaceable Parts(CRP), or the non-targetted parts by referring to the exploded view.
- Regarding the boards of this model, the discrete parts on the boards cannot be replaced. However, Some connectors can be replaced.

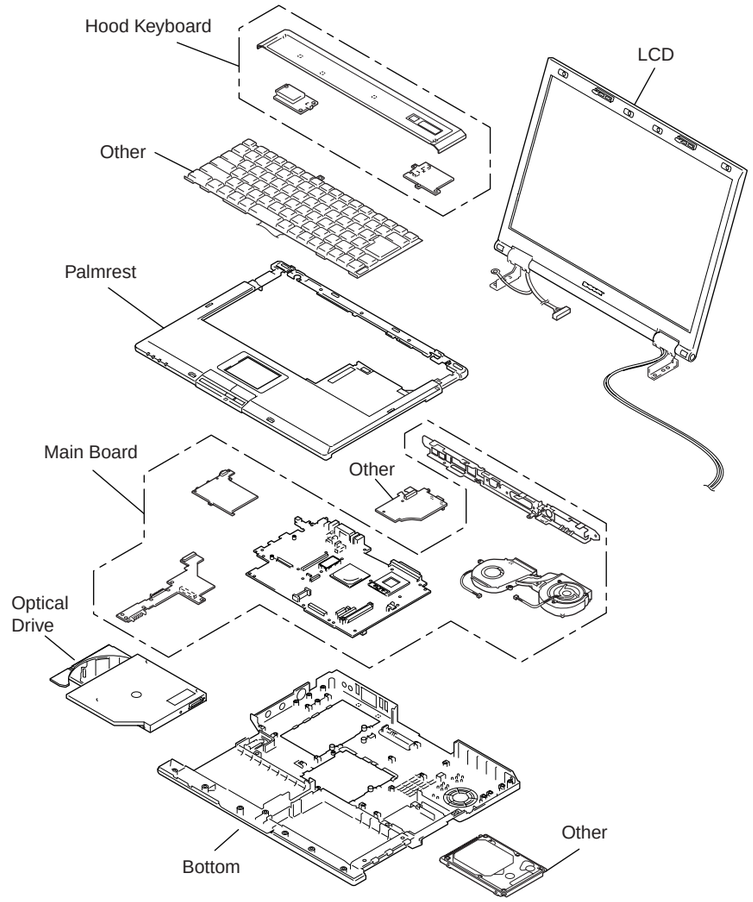
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

【使用上の注意】

- * 印の部品は常備在庫しておりません。
- 図面番号のない部品は供給しません。
- 併記部品の場合，上部記載部品をメイン部品として使用してください。
- 部品名称の前に$ 印のついた部品は，High Value Module (HVM) です。
- 商品名称の前に#印のついた部品は，バーコードラベル貼付部品です。
  バーコードラベルについてはCHAPTER 5を参照してください。
- 部品名称の前に＆印のついた部品は、お客様窓口などでも交換可能な Customer Replacable Parts (CRP)です。
  特に<&>印のついた部品は，使い分けが必要な部品ですので，分解図で Customer Replacable Parts 対象部品か，対象外部品かを必ず御確認ください。
- 本モデルの基板については，基板上の各部品の修理は行うことができません。ただし，一部のコネクタについては，修理可能です。

⚠印の部品，または⚠印付きの点線で囲まれた部品は，安全性を維持するために重要な部品です。従って交換時は，必ず指定の部品を使用してください。

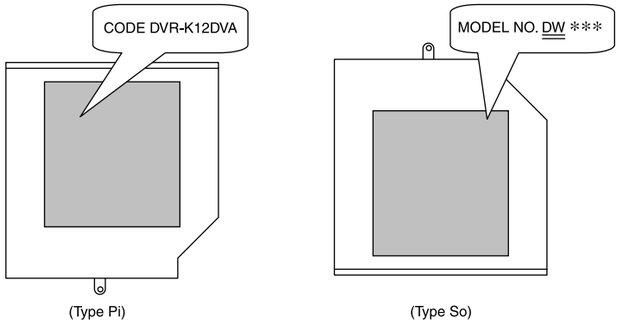


		Optical Drive	Palmrest	Bottom	Main Board	Hood Keyboard	Other	LCD	Accessory	
J	GRT77E/P	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	⚠1 **[MA]**
	GRT55E/B	D-1	P-2	B-2	M-1	HK-1	O-1	L-3	A-1	
	J-CTO (16)	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	
	J-CTO (15)	D-1	P-2	B-2	M-1	HK-1	O-1	L-3,4	A-1	
AM	U-CTO (16)	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	
	U-CTO (15)	D-1	P-2	B-2	M-1	HK-1	O-1	L-3,4	A-1	
	U-CTO (14)	D-1	P-2	B-2	M-1	HK-1	O-1	L-5	A-1	
	GRT270G	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	⚠2 **[MA]**
	GRT260G	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	⚠2 **[MA]**
	GRT240G	D-1	P-2	B-2	M-1	HK-1	O-1	L-3	A-1	⚠2 **[MA]**
	GRT35F	D-1	P-2	B-2	M-1	HK-1	O-1	L-3	A-1	⚠2 **[MA]**
EU	GRT896HP	D-1	P-1	B-1	M-1	HK-1	O-1	L-1	A-1	
	GRT816M	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	
	GRT895MP	D-1	P-2	B-2	M-1	HK-1	O-1	L-4	A-1	
	GRT815E	D-1	P-2	B-2	M-1	HK-1	O-1	L-4	A-1	
	GRT815M	D-1	P-2	B-2	M-1	HK-1	O-1	L-4	A-1	
	GRT896SP	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	⚠2 **[MA]**
	GRT816S	D-1	P-1	B-1	M-1	HK-1	O-1	L-2	A-1	⚠2 **[MA]**

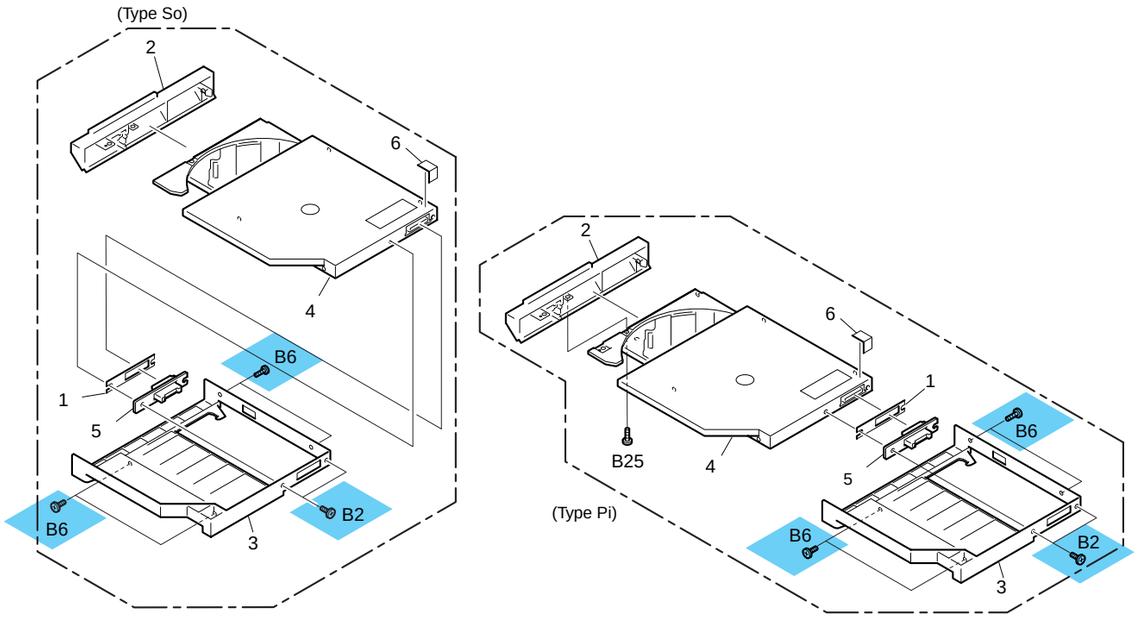
How to Use Parts Differently.

This series of product uses the three different types of optical drive (Pi type and So type).
When replacing the optical drive, use the Pi type parts for the Pi type optical drive, and use the So type parts for the So type optical drive.
Replace the peripheral parts of optical drive with the same type in the same way.

[How to identify the Pi and So types of parts]



D-1. Optical Drive



Ref.No.	Part No.			Description
1	4-654-837-01			SHEET BAY BOARD
3	X-4625-949-2			ASSY BAY CASE
5	A-8067-975-A	$		COMPLETE PWB CNX-215
6	4-677-675-01			ODD CU FOIL
B2	4-641-726-11		&	SCREW (M2), SPECIAL HEAD
B6	4-656-703-01		&	SCREW M2

					J						AM							EU					
Ref.No.	Part No.			Description	GRT77E/P	GRT55E/B	GRT7xE/P ⁎	GRT7xE ⁎	GRT5xE/P ⁎	GRT5xE ⁎	GRT270 ⁎	GRT250 ⁎	GRT230 ⁎	GRT270G	GRT260G	GRT240G	GRT35F	GRT896HP	GRT816M	GRT895MP	GRT815E	GRT815M	GRT896SP	GRT816S
2	X-4625-936-1			ASSY SO DVD+-RW BEZEL (So)	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●
	X-4626-141-1			ASSY PIONEER DVR BEZEL (Pi)	●	●	●	●	●	●	●	●		●	●	●	●	●			●	●	●	●
	X-4626-392-1			ASSY SONY CRX830 BEZEL (So)					●	●	●	●	●						●	●				
4	8-457-509-03	$	#	DVD DRIVE, DW-U50A-VN/T (So)	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●
	1-796-834-11	$	#	W-DVD (DVR-K12D)(Pi)	●	●	●	●	●	●	●	●		●	●	●	●	●			●	●	●	●
	8-457-270-10	$	#	RW DRIVE CRX830E-VN (So)					●	●	●	●	●						●	●				
B25	4-679-805-01			SCREW M1.7X2.5 (B) TAPPING BLK	●	●	●	●	●	●	●	●		●	●	●	●	●			●	●	●	●
					⚠1 [MA]									⚠2 [MA]	⚠2 [MA]	⚠2 [MA]	⚠2 [MA]						⚠2 [MA]	⚠2 [MA]

- This parts list contains two different types of parts.
  The first type is the parts that are common to all models.
  The other type is the parts that are different depending on each model.
- The model that is accompanied by asterisk (⁎) is the CTO model.

・この部品表は，機種共通の部品と，機種によって使い分けが必要な部品に分かれています。
・機種名に (⁎) がつくのは CTO モデルです。

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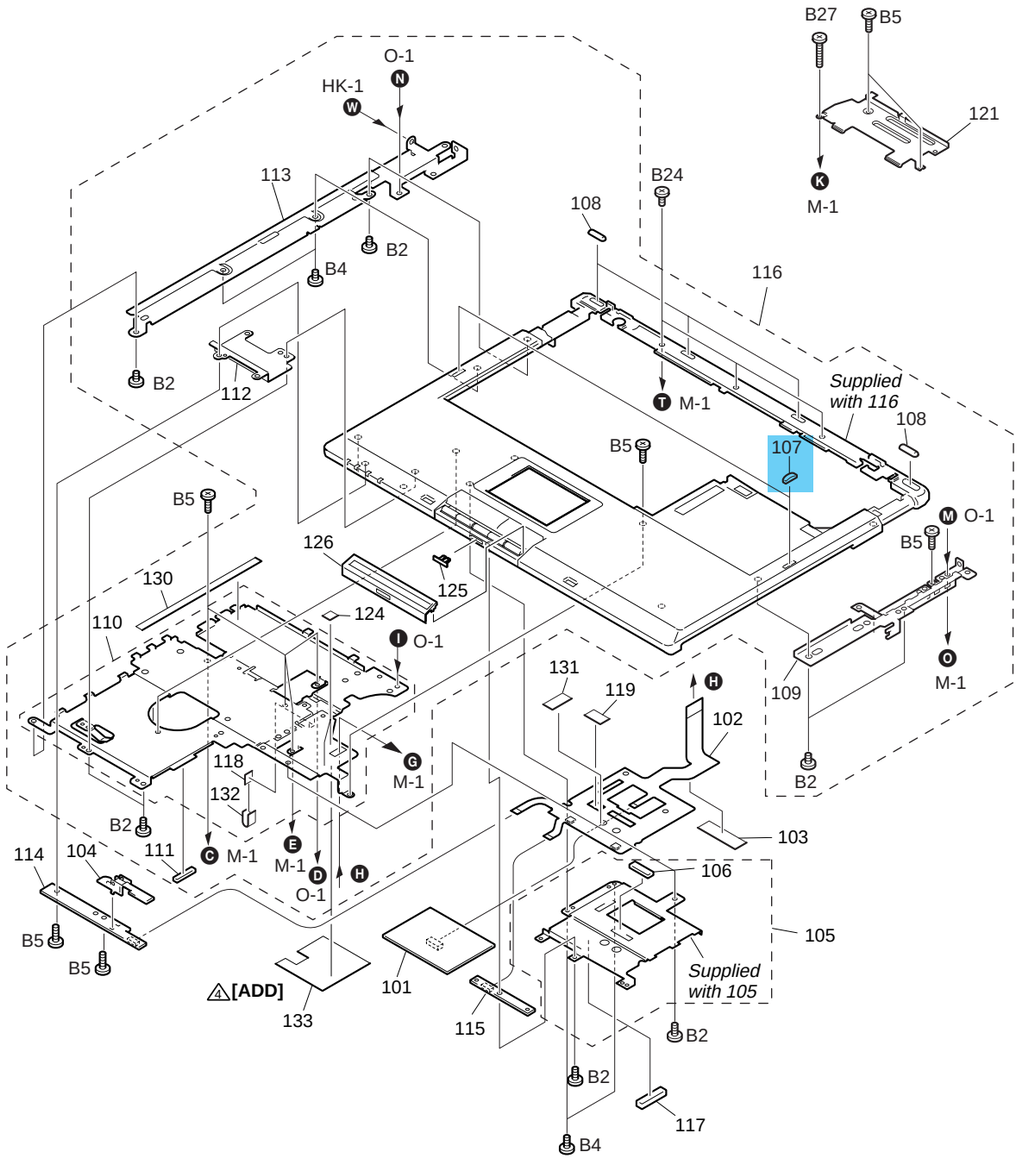
P-1. Palmrest (16-inch Model)



Ref.No.	Part No.		Description
101	1-796-319-41		PAD, TOUCH
102	9-885-033-60		PWB (H), FLEXIBLE PRINT
103	4-676-871-01		ADHESIVE TP FPC
104	X-4625-918-1		ASSY LATCH DETECTOR
* 105	X-4625-912-1		ASSY TP BRACKET
106	4-676-956-01		GASKET T/P CONTACT
107	4-668-288-11	&	CUSHION PALM
108	4-676-948-01		RUBBER STOPPER
109	4-673-743-01		PALMREST BRACKET R
110	X-4625-910-1		ASSY PALMREST SHIELDING L
111	4-676-951-01		GASKET SHIELDING CONTACT
112	4-676-950-01		LEX BOARD PLATE
* 113	X-4626-178-1		ASSY PALMREST BRACKET L
114	A-8067-971-A	$	COMPLETE PWB LEX-47
115	A-8067-972-A	$	COMPLETE PWB SWX-142
117	4-677-786-01		GASKET CHARGER BOARD
118	4-677-944-01		GASKET CD-ROM BRACKET
119	4-676-954-01		ADHESIVE TP
* 121	X-4625-911-1		ASSY PALMREST SHIELDING R
124	4-677-182-01		FAN PLATE MYLAR
130	4-671-203-01		SHEET SHIELDING PALMREST
131	4-676-955-01		MYLAR TP
132	4-678-040-01		COPPER TAPE CD-ROM BKT
133	4-679-890-01		TP CO-FOIL ← ⚠4 **[ADD]**
B2	4-641-726-11		SCREW (M2), SPECIAL HEAD
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B5	4-641-726-41		SCREW (M2), SPECIAL HEAD
B24	4-641-726-21		SCREW (M2), SPECIAL HEAD
B27	4-678-226-01		M2-SCREW

			J			AM			EU			
Ref.No.	Part No.	Description	GRT77E/P	GRT7xE/P *	GRT7xE *	GRT270 *	GRT270G	GRT260G	GRT896HP	GRT816M	GRT896SP	GRT816S
116	X-4625-906-1	ASSY PALMREST HOUSING		●	●	●			●	●	●	●
	X-4626-046-1	ASSY PALMREST HOUSING (TV)	●	●	●		●	●				
125	4-673-722-01	SLIDE WIRELESS KNOB (W)				●	●	●	●		●	
126	4-673-719-01	ESCUSHION W/O WIRELESS (TV)(16)	●	●	●					●		⚠3 **[COR]**
	X-4625-908-1	ASSY ESCUSHION (TV)(16)					●	●				
	4-673-719-11	ESCUSHION W/O WIRELESS (16)				●				●		●
	X-4626-219-1	ASSY ESCUSHION N-TV (16) (W)				●			●		●	
				⚠1 **[MA]**			⚠2 **[MA]**	⚠2 **[MA]**			⚠2 **[MA]**	⚠2 **[MA]**

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  The other type is the parts that are different depending on each model.
- The model that is accompanied by asterisk (*) is the CTO model.

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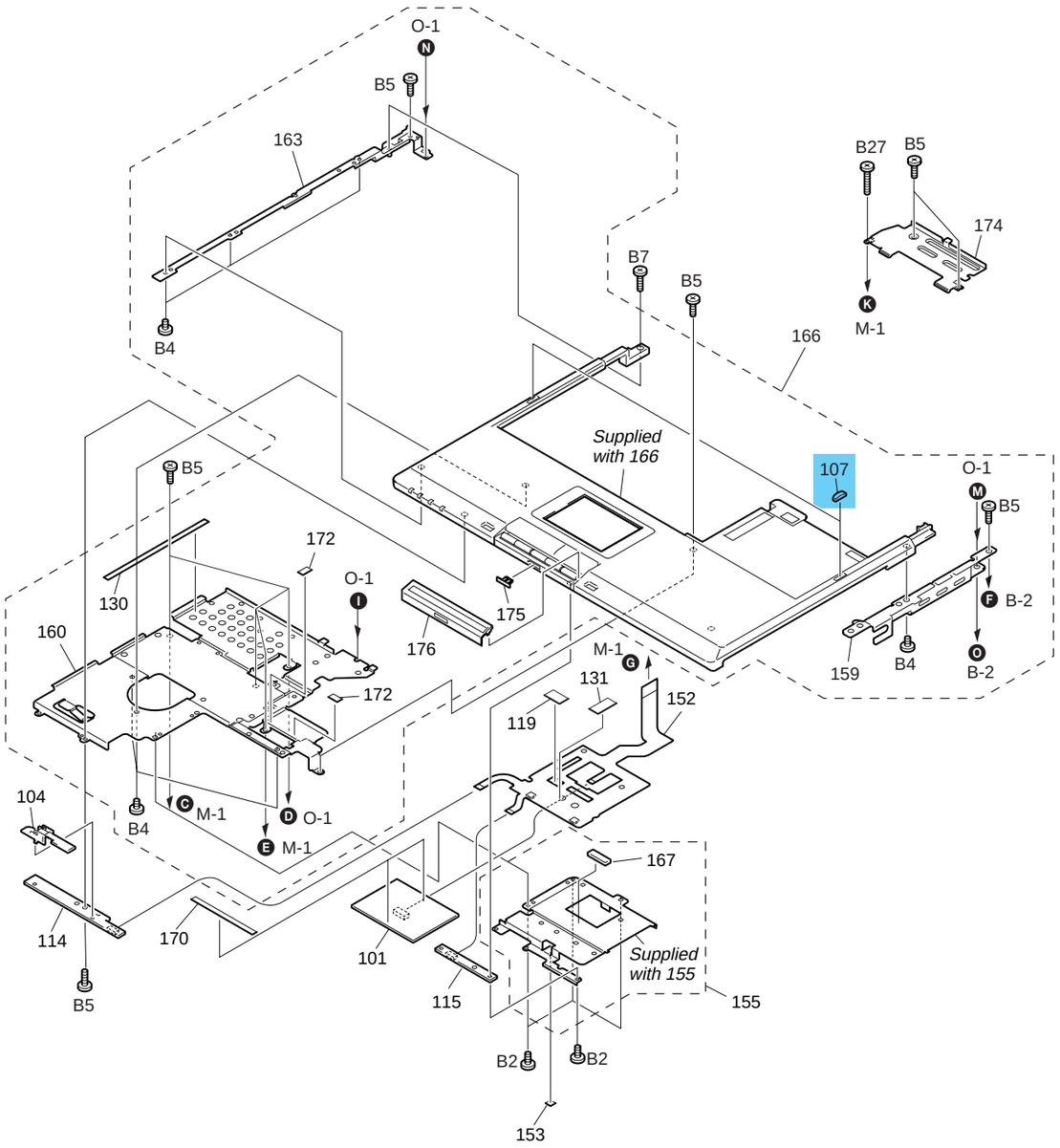
・機種名に (*) がつくのは CTO モデルです。

- The parts to which (W) is added after the part Description are used in the models in which the Wireless LAN is installed.
- The parts to which (TV) is added after the part Description are used in the models in which the TV Tuner is installed.

・部品名称のあとに (W) がつくのは，ワイヤレスラン搭載モデル用の部品です。
・部品名称のあとに (TV) がつくのは，TV チューナー搭載モデル用の部品です。

[3] [COR]

P-2. Palmrest (14-inch, 15-inch Model)



Ref.No.	Part No.		Description
101	1-796-319-41		PAD, TOUCH
104	X-4625-918-1		ASSY LATCH DETECTOR
107	4-668-288-11	&	CUSHION PALM
114	A-8067-971-A	$	COMPLETE PWB LEX-47
115	A-8067-972-A	$	COMPLETE PWB SWX-142
119	4-676-954-01		ADHESIVE TP
130	4-671-203-01		SHEET SHIELDING PALMREST
131	4-676-955-01		MYLAR TP
152	A-8116-248-A		TP FPC ASSY SR R2.0
153	4-673-995-01		T/P-PW BD GASKET
155	4-673-798-01		TP BRACKET
159	4-673-797-01		BRACKET PALMREST R
160	X-4625-928-1		PALMREST SHIELDING L ASSY
163	4-673-796-01		BRACKET PALMREST L
167	4-673-994-01		T/P GASKET
170	4-677-676-01		TOUCH PAD ADHESIVE
172	4-677-673-01		SPACER BKT MYLAR
174	X-4625-929-1		PALMREST SHIELDING R ASSY
B2	4-641-726-11		SCREW (M2), SPECIAL HEAD
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B5	4-641-726-41		SCREW (M2), SPECIAL HEAD
B7	4-645-214-71		GRIP, M2
B27	4-644-899-21		M2-SCREW

Ref.No.	Part No.	Description	J			AM				EU		
			GRT55E/B	GRT5xE/P ⁎	GRT5xE ⁎	GRT250 ⁎	GRT230 ⁎	GRT240G	GRT35F	GRT895MP	GRT815E	GRT815M
166	X-4625-914-1	ASSY PALMREST HOUSING		●	●	●	●		●	●	●	●
	X-4625-945-1	ASSY PALMREST HOU (TV)	●	●	●			●				
175	4-673-683-01	SLIDE WIRELESS KNOB (W)				●	●	●	●	●		
176	4-673-701-01	ESCUSHION W/O WIRELESS (TV)(15)	●	●	●							
	X-4625-923-1	ASSY ESCUSHION (TV)(15)						●				
	4-673-701-11	ESCUSHION W/O WIRELESS (15)		●	●	●	●				●	●
	X-4626-225-1	ASSY ESCUSHION N-TV (15) (W)				●			●	●		

[2] [MA] [2] [MA]

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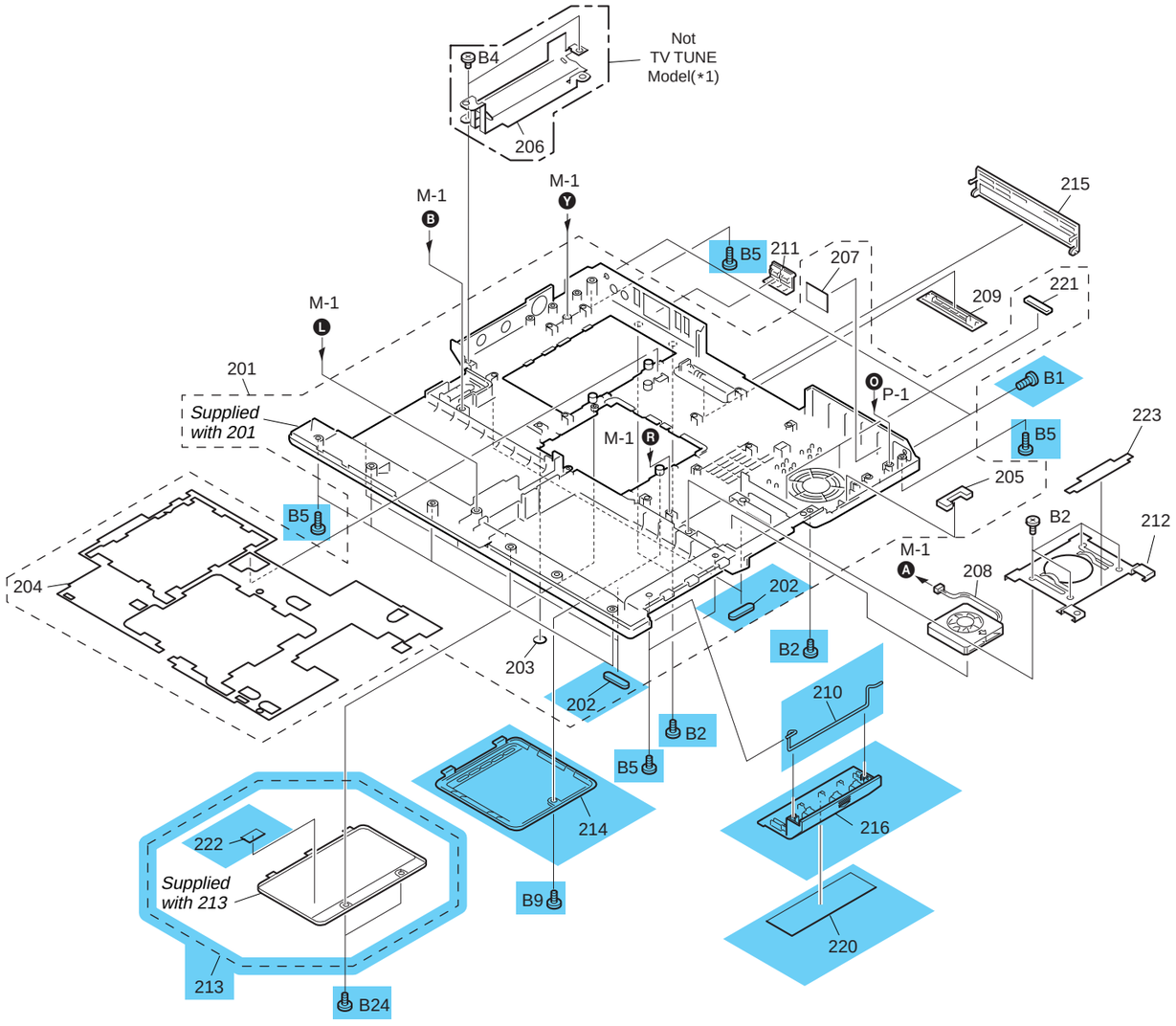
- The parts to which (W) is added after the part Description are used in the models in which the Wireless LAN is installed.
- The parts to which (TV) is added after the part Description are used in the models in which the TV Tuner is installed.

- 部品名称のあとに (W) がつくのは，ワイヤレスラン搭載モデル用の部品です。
- 部品名称のあとに (TV) がつくのは，TV チューナー搭載モデル用の部品です。

B-1. Bottom (16-inch Model)



Ref.No.	Part No.		Description
202	4-668-294-11	&	FOOT FRONT
203	4-654-380-41		CAP BAY
204	4-673-888-01		SHIELDING MYLAR
205	4-676-947-01		FERRITE CORE SPONGE
207	4-676-946-01		MYLAR BOTTOM OUTLET
208	A-8115-838-A		ASSY 3RD FAN
209	4-654-379-21		COVER (PORT)
210	4-668-299-01	&	DOOR BATTERY SPRING
211	4-673-986-01		CAP ETHERNET
* 212	X-4625-933-1		3RD FAN SHIELDING ASSY
213	X-4626-463-1	&	DOOR MDC ASSY
214	X-4625-917-1	&	ASSY DOOR DIMM
215	X-4625-919-1		ASSY DOOR IO
216	4-673-714-01		DOOR BATTERY
220	4-676-850-01	&	LABEL BATTERY DOOR
221	4-676-461-01		LAN GASKET 20X5X5X
222	4-677-682-01	&	WIRELESS LAN GASKET
223	4-679-376-01		FAN S SHD MYLAR
B1	4-654-811-41	&	SCREW M3
B2	4-641-726-11	&	SCREW (M2), SPECIAL HEAD
B5	4-641-726-41	&	SCREW (M2), SPECIAL HEAD
B9	4-664-453-01	&	SCREW (M2), SPECIAL HEAD
B24	4-641-726-21	&	SCREW (M2), SPECIAL HEAD

Ref.No.	Part No.	Description	J			AM			EU				
			GRT77E/P	GRT7xE/P *	GRT7xE *	GRT270 *	GRT270G	GRT260G	GRT896HP	GRT816M	GRT896SP	GRT816S	
201	X-4626-447-1	ASSY HOUSING BOTTOM (16) (TV)	●	●	●		●	●					
	X-4626-445-1	ASSY HOUSING BOTTOM (16)		●	●	●			●	●	●	●	
206	4-673-748-01	BRACKET IO LEFT		●	●	●			●	●	●	●	
B4	4-641-726-81	SCREW (M2), SPECIAL HEAD		●	●	●			●	●	●	●	
			△1 [MA]				△2 [MA]	△2 [MA]			△2 [MA]	△2 [MA]	

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- The model that is accompanied by asterisk (*) is the CTO model.

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・機種名に (*) がつくのは CTO モデルです。

*1 For the BRACKET IO LEFT of the Tuner model, refer to the Main Board.

*1 TVチューナーモデルのBRACKET IO LEFTは，Main Boardを参照ください。

- The parts to which (TV) is added after the part Description are used in the models in which the TV Tuner is installed.

・部品名称のあとに (TV) がつくのは，TV チューナー搭載モデル用の部品です。

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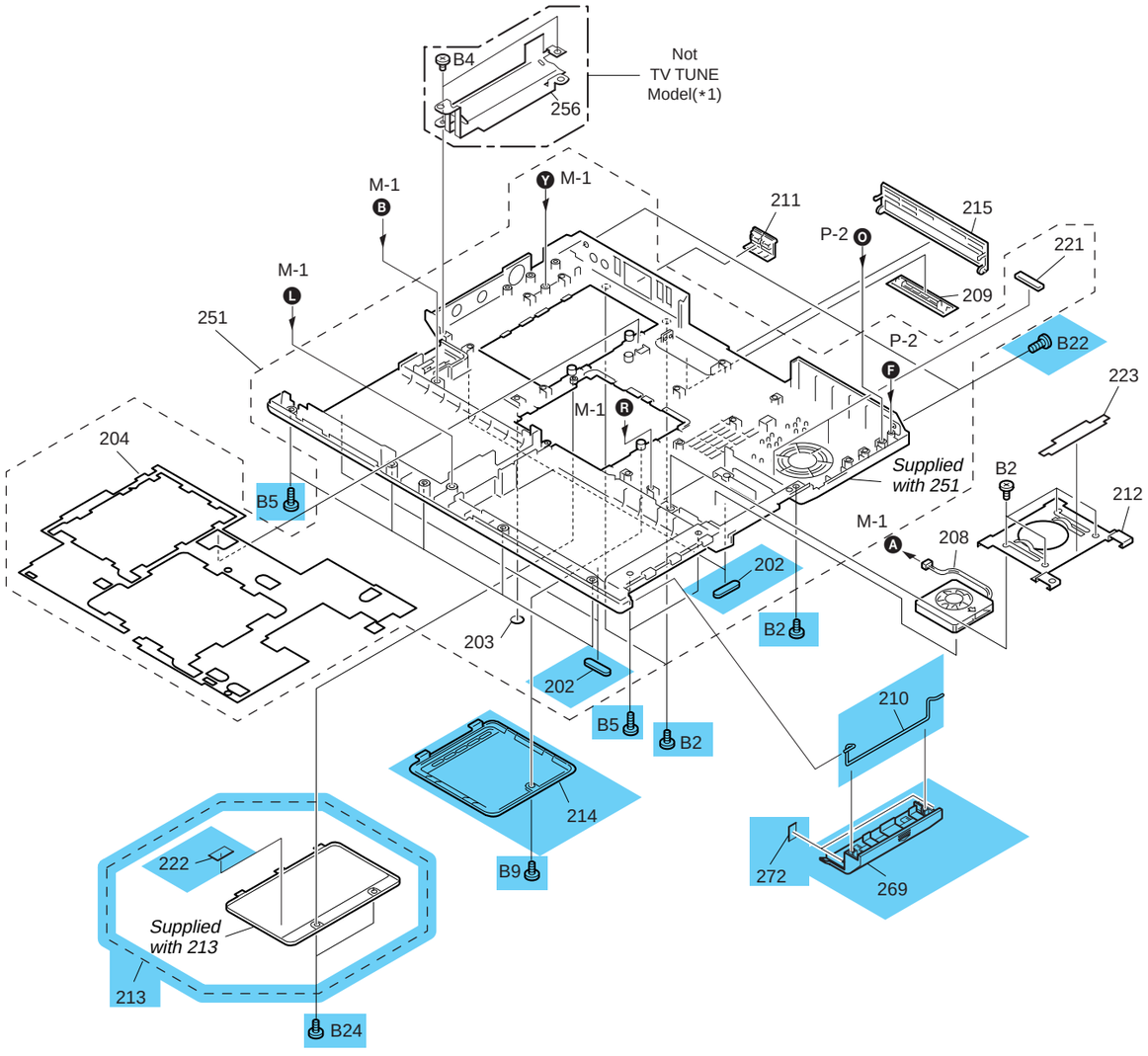
⚠3 [COR]

B-2. Bottom (14-inch, 15-inch Model)



Ref.No.	Part No.		Description
202	4-668-294-11	&	FOOT FRONT
203	4-654-380-41		CAP BAY
204	4-673-888-01		SHIELDING MYLAR
208	A-8115-838-A		ASSY 3RD FAN
209	4-654-379-21		COVER (PORT)
210	4-668-299-01	&	DOOR BATTERY SPRING
211	4-673-986-01		CAP ETHERNET
* 212	X-4625-933-1		3RD FAN SHIELDING ASSY
213	X-4626-463-1	&	DOOR MDC ASSY
214	X-4625-917-1	&	ASSY DOOR DIMM
215	X-4625-919-1		ASSY DOOR IO
221	4-676-461-01		LAN GASKET 20X5X5X
222	4-677-682-01	&	WIRELESS LAN GASKET
223	4-679-376-01		FAN S SHD MYLAR
269	X-4626-243-1	&	ASSY DOOR BATTERY
272	4-677-681-01	&	SPONGE DOOR BATTERY
B2	4-641-726-11	&	SCREW (M2), SPECIAL HEAD
B5	4-641-726-41	&	SCREW (M2), SPECIAL HEAD
B9	4-664-453-01	&	SCREW (M2), SPECIAL HEAD
B22	4-654-811-01	&	SCREW M3
B24	4-641-726-21	&	SCREW (M2), SPECIAL HEAD

Ref.No.	Part No.	Description	J			AM				EU		
			GRT55E/B	GRT5xE/P *	GRT5xE *	GRT250 *	GRT230 *	GRT240G	GRT35F	GRT895MP	GRT815E	GRT815M
251	X-4626-444-1	ASSY HOUSING BOTTOM (T)(15)	●	●	●			●				
	X-4626-405-1	ASSY HOUSING BOTTOM (15)		●	●	●	●		●	●	●	●
256	4-673-804-01	BRACKET IO LEFT		●	●	●	●		●	●	●	●
B4	4-641-726-81	SCREW (M2), SPECIAL HEAD				●	●		●	●	●	●
								⚠2 [MA]	⚠2 [MA]			

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・機種名に (*) がつくのは CTO モデルです。

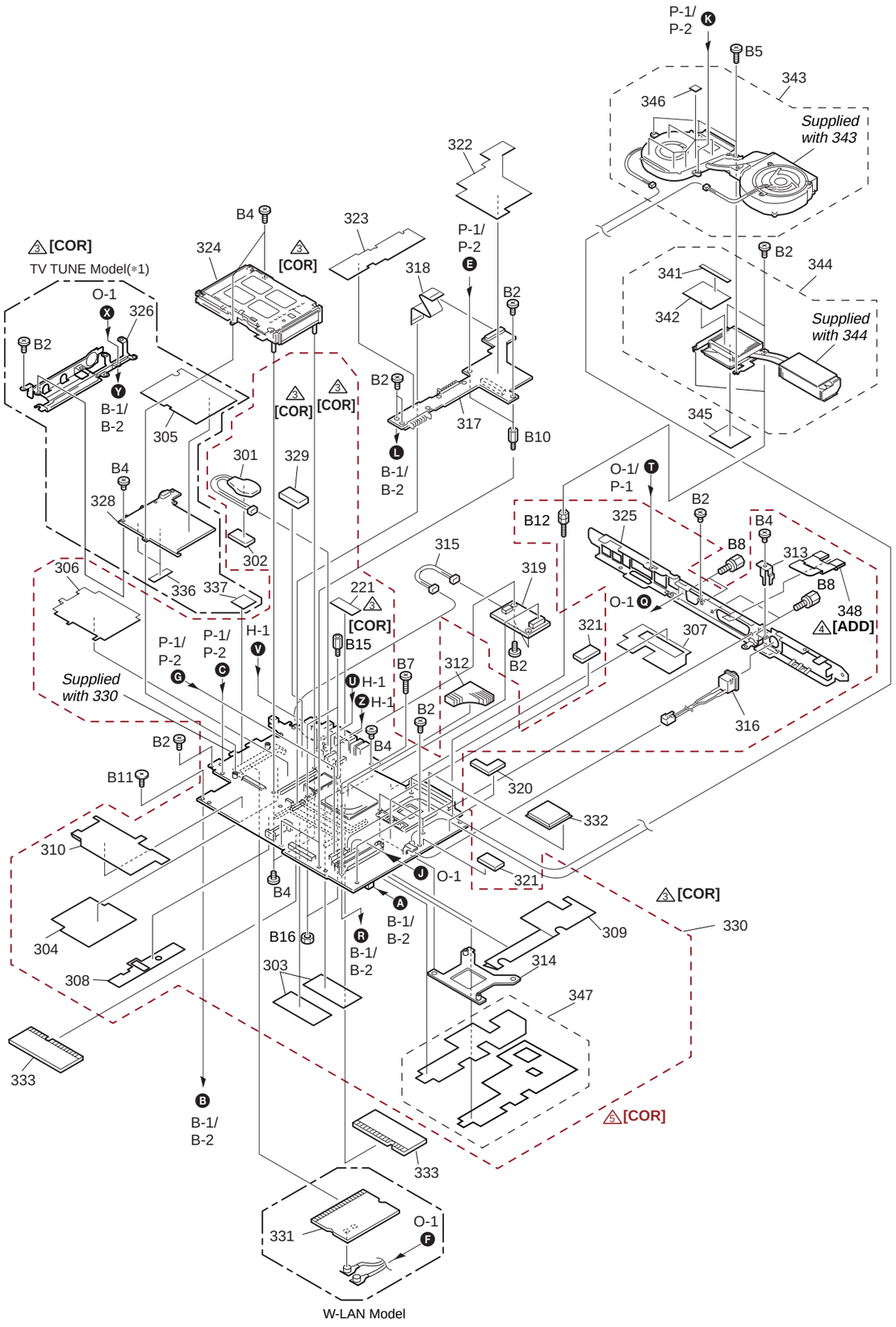
*1 For the BRACKET IO LEFT of the Tuner model, refer to the Main Board.

*1 TVチューナーモデルのBRACKET IO LEFTは，Main Boardを参照ください。

- The parts to which (TV) is added after the part Description are used in the models in which the TV Tuner is installed.

・部品名称のあとに (TV) がつくのは，TV チューナー搭載モデル用の部品です。

M-1. Main Board



Ref.No.	Part No.		Description
[DEL] ~~211~~	~~4-673-986-01~~		~~CAP ETHERNET~~
221	4-676-461-01		LAN GASKET 20X5X5X
301	9-885-033-67		BATTERY, LITHIUM STORAGE
302	4-642-711-11		SHEET (BATTERY), ADHESIVE
303	4-668-307-01		SHEET DIMM
304	4-668-308-01		SHEET MINI PCI
306	4-673-997-01		SHEET PC CARD
307	4-673-999-01		SHEET PORT
308	4-674-000-01		SHEET DIMM SIDE
309	4-674-001-01		SHEET HDD
310	4-676-421-01		SHEET DRIVE
* 312	4-673-982-01		NORTH BRIDGE HEATSINK
* 313	4-673-811-01		DC IN HOLDER
* 314	X-4625-932-1		CPU BACK PLATE ASSY
315	9-885-033-65		HARNESS (2P)
316	9-885-033-63		DC, HARNESS
317	A-8067-969-A	$	COMPLETE PWB PWS-27
318	9-885-033-72		CABLE (30P), FLEXIBLE FLAT
319	1-761-606-13	$ #	CARD, MODEM
320	4-674-004-01		CMOS PAD U
321	4-674-005-01		CMOS PAD L
322	4-674-007-01		SHEET PWS 1
323	4-674-008-01		SHEET PWS 2
329	4-677-674-02		SPONGE CRYSTAL
341	4-677-183-01		FIN GASKET
342	4-677-668-01		FIN MYLAR
343	A-8115-390-A	$	ASSY FAN UNIT
345	4-671-241-01		SHEET THERMAL (STH)
346	4-677-182-01		FAN PLATE MYLAR
347	4-680-129-01		MB HEAT FOIL MYLAR
348	4-676-505-01		SPRING M BKT IO ← [ADD]
B2	4-641-726-11		SCREW (M2), SPECIAL HEAD
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B5	4-641-726-41		SCREW (M2), SPECIAL HEAD
B7	4-645-214-71		GRIP, M2
B8	4-635-966-01		SCREW (HEX)
B10	4-654-386-01		SPACER (PWS)
B11	4-654-387-01		SCREW (MBX)
B12	4-676-485-01		SPACER (CPU), H=5
~~B13~~	~~4-677-686-01~~		~~SPACER (PWS) H=8.0~~ [DEL]
B15	4-654-385-01		SPACER (VIF)
B16	7-622-205-05		NUT (M2 TYPE2), HEXAGON

Ref.No.	Part No.		Description	J						AM						EU						
				GRT77E/P	GRT555E/B	GRT7xE/P *	GRT7xE *	GRT5xE/P *	GRT5xE *	GRT270 *	GRT250 *	GRT230 *	GRT270G	GRT260G	GRT240G	GRT35F	GRT896HP	GRT816M	GRT895MP	GRT815E	GRT815M	GRT896SP	GRT816S
305	4-674-003-01		TUNER BD MYLAR	●	●	●	●	●	●				●	●	●								
324	9-885-033-66		CONNECTOR PC CARD (1 SLOT) (TV)	●	●	●	●	●	●				●	●	●								
	9-885-033-62		CONNECTOR PC CARD (2 SLOT)			●	●	●	●	●	●	●				●	●	●	●	●	●	●	●
* 325	X-4626-179-1		ASSY BRACKET IO (16)	●		●	●			●			●	●			●	●				●	●
	X-4625-954-1		ASSY BRACKET I/O (15)		●			●	●		●	●			●	●				●	●		
* 326	X-4625-909-1		ASSY BRACKET IO LEFT (T) (16) (TV)	●		●	●						●	●									
	X-4625-935-1		ASSY BRACKET IO LEFT (T) (15)		●			●	●						●								
328	A-8068-269-A		COMPLETE PWB ENX-23 (J)	●	●	●	●	●	●														
	A-8068-275-A		COMPLETE PWB ENX-23 (U)										●	●	●								
330	A-8068-515-A	$ #	COMPL MBX-86 (2) (15) (S)					●	●		●	●				●							
	A-8068-516-A	$ #	COMPL MBX-86 (2) (16) (S)			●	●			●							●	●				●	●
	A-8068-517-A	$ #	COMPL MBX-86 (2T) (15) (S) (TV)		●			●	●						●								
	A-8068-518-A	$ #	COMPL MBX-86 (2T) (16) (S) (TV)	●		●	●						●	●									
331	1-761-784-21	$ #	CARD, WIRELESS LAN														●		●			●	
	1-761-784-31	$ #	CARD, WIRELESS LAN							●	●		●	●	●								
	1-761-784-32	$ #	CARD, WIRELESS LAN													●							
*2 332	6-704-665-01		IC RK80532PE072512SL6PF (P4 2.8)			●	●	●	●	●a	●a	●a	●	●		●	●	●	●	●	●	●	●
	6-704-666-01		IC RK80532PE067512SL6PE (P4 2.66)	●						●a	●a	●a			●								
	6-704-957-01		IC RH80532NC049256SL73Y (C 2.2)		●																		
	6-705-187-01		IC RH80532GC064512SL6WZ (P4-M 2.6)							● b	● b	● b											
	6-704-615-01		IC RH80532GC056512SL6VC (P4-M 2.4)							● b	● b	● b											
	6-704-614-01		IC RH80532GC049512SL6VB (P4-M 2.2)							● b	● b	● b											
	6-704-652-01		IC RH80532NC041256SL6VJ (C 2.0)							● b	● b	● b											
	6-704-668-01		IC RK80532PE056512SL6PC (P4 2.4B)			●	●	●	●	●a	●a	●a											
333	A-8068-348-A		COMPLETE PWB MM-10A (DDR 512MB)			●	●	●	●	●	●	●	●X1									●X2	
	6-705-094-01		IC M470L3224FT0-CB3 (DDR 256MB)	●X2	●X1	●	●	●	●	●	●	●		●X2	●X2	●X2	●X2	●X2	●X2	●X2	●X2		●X2
336	4-677-894-02		BUSTERAID TUNER	●	●	●	●	●	●				●	●	●								
337	4-677-893-01		BUSTERAID MBX	●	●	●	●	●	●				●	●	●								
*2 344	4-673-983-01	$	FIN MODULE STH	●		●	●	●	●	●a	●a	●a	●	●	●	●	●	●	●	●	●	●	●
	4-673-984-01	$	FIN MODULE MOBILE		●					●b	●b	●b											

[MA] 1 | [MA] 2 | [MA] 2 | [MA] 2 | [MA] 2 | [MA] 2 | [MA] 2 | [MA] 2 | [MA] 2

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*1 For the BRACKET IO LEFT of the model without Tuner, refer to the Bottom.
*1 TVチューナーのないモデルのBRACKET IO LEFTは，Bottomを参照ください。

- The parts to which (TV) is added after the part Description are used in the models in which the TV Tuner is installed.

・部品名称のあとに (TV) がつくのは，TV チューナー搭載モデル用の部品です。

[For CTO]
*2 The FIN MODULE in use is different depending on the CPU.
For the parts of Ref. 332 and Ref. 344, select a combination of the same type (either type a or type b) of Ref. 332 and Ref. 344.

*2 CPU によって，使用する FIN MODULE が異なります。
Ref. 332 と Ref. 344 は，同じタイプ (a or b) の部品を組み合わせて使ってください。

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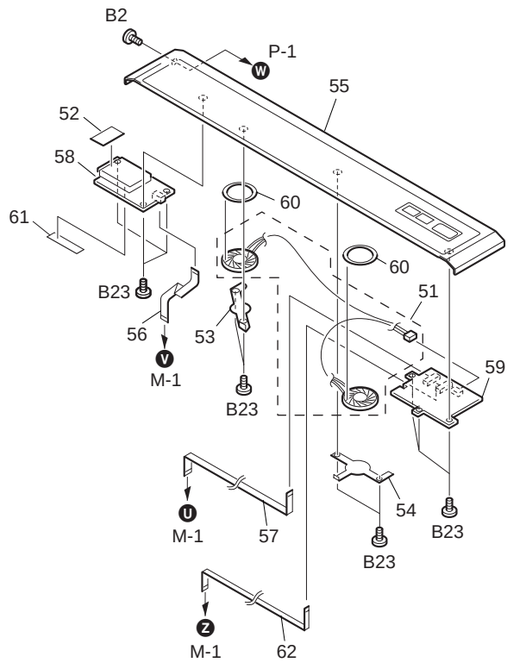
HK-1. Hood Keyboard



Ref.No.	Part No.		Description
52	4-671-590-01		SHEET (MS) (C)
53	4-673-789-01		SPEAKER HOLDER L
56	9-885-033-70		CABLE (10P), FLEXIBLE FLAT
57	9-885-033-71		CABLE (11P), FLEXIBLE FLAT
58	A-8068-549-A	$	COMPLETE PWB IFX-257
59	A-8068-274-A	$	COMPLETE PWB SWX-155
60	4-677-458-01		SPERKER RING GULE
61	————		CAPTON TAPE (7X20)
62	A-8116-337-A		CABLE(8P) FLEXIBLE FLAT
B2	4-641-726-11	&	SCREW (M2), SPECIAL HEAD
B23	4-639-112-01		SCREW (M2X4)

			J					AM						EU						
Ref.No.	Part No.	Description	GRT77E/P	GRT55E/B	GRT7xE/P ✻	GRT7xE ✻	GRT5xE/P ✻	GRT5xE ✻	GRT270 ✻	GRT250 ✻	GRT230 ✻	GRT270G	GRT260G	GRT240G	GRT35F	GRT896HP	GRT816M	GRT895MP	GRT815E	GRT815M	GRT896SP	GRT816S
51	A-8116-871-A	SPEAKER UNIT (FO-2+)(16)	●		●	●			●			●	●			●	●				●	●
	A-8116-869-A	SPEAKER UNIT FO-2 (15)		●			●	●		●	●			●	●			●	●	●		
54	4-679-084-01	SPEAKER HOLDER R (16)	●		●	●			●			●	●			●	●				●	●
	4-679-081-01	SPEAKER HOLDER R (15)		●			●	●		●	●			●	●			●	●	●		
55	X-4626-394-1	ASSY HOOD KEYBOARD (16)	●		●	●			●			●	●			●	●				●	●
	X-4626-393-1	ASSY HOOD KEYBOARD (15)		●			●	●		●	●			●	●			●	●	●		
			△1 [MA]									△2 [MA]	△2 [MA]	△2 [MA]	△2 [MA]						△2 [MA]	△2 [MA]

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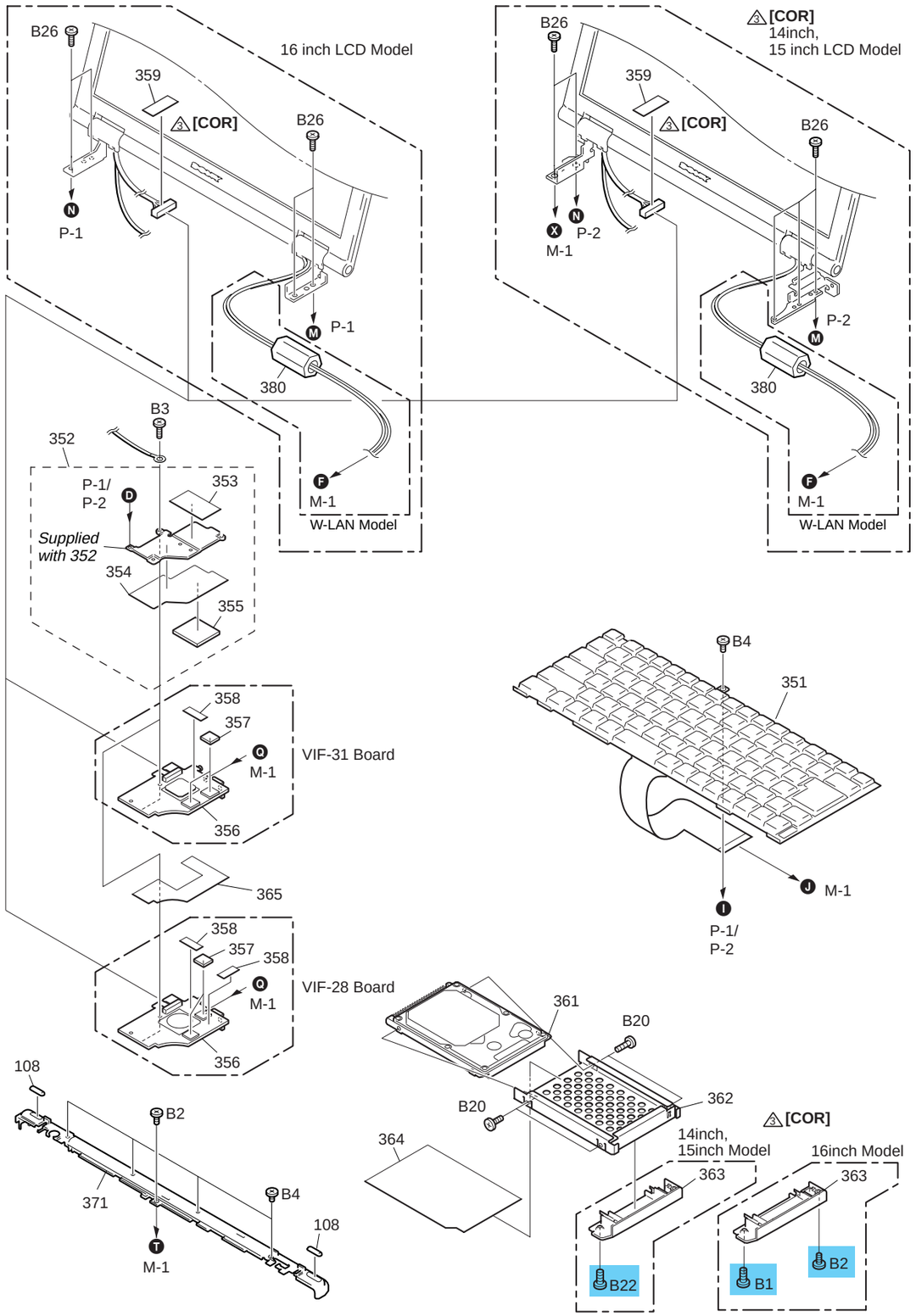
O-1. Other Parts



Ref.No.	Part No.		Description
108	4-676-948-01		RUBBER STOPPER
352	X-4625-931-2		VGA HEAT PLATE ASSY
353	4-670-461-01		SHEET BLIND (PLATE HEATSINK)
354	4-673-987-01		VGA PLATE MYLAR
355	4-676-423-01		VGA THERMAL PAD
357	4-677-667-01		VGA PAD
358	4-677-943-01		VGA MYLAR
359	———		CAPTON TAPE —— [ADD]
362	4-676-418-01		BRACKET HDD
364	4-653-801-01		SHEET HDD
B1	4-654-811-41	&	SCREW M3
B2	4-641-726-11	&	SCREW (M2), SPECIAL HEAD
B3	4-656-703-01		SCREW (M2), SPECIAL HEAD
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B5	4-641-726-41		SCREW (M2), SPECIAL HEAD
B20	4-635-301-11		SCREW M3X4
B22	4-654-811-01		SCREW M3
B26	4-644-637-01		GRIP, M2 EG

Ref.No.	Part No.		Description	J GRT77E/P	J GRT55E/B	J GRT7xE/P *	J GRT7xE *	J GRT5xE/P *	J GRT5xE *	AM GRT270 *	AM GRT250 *	AM GRT230 *	AM GRT270G	AM GRT260G	AM GRT240G	AM GRT35F	EU GRT896HP	EU GRT816M	EU GRT895MP	EU GRT815E	EU GRT815M	EU GRT896SP	EU GRT816S
351	1-478-018-11	$ #	KEY BOARD UNIT (JP)	●	●	●	●	●	●														
	1-478-018-21	$ #	KEY BOARD UNIT (US)							●	●	●	●	●	●								
	1-478-023-11	$ #	(UK/Dutch)...KEY BOARD UNIT (GB)														●	●	●	●	●	●	●
	1-478-023-21	$ #	(German)...KEY BOARD UNIT (DE)														●	●	●	●	●	●	●
	1-478-023-31	$ #	(Swiss)...KEY BOARD UNIT (CH)														●	●	●	●	●	●	●
	1-478-023-41	$ #	(French)...KEY BOARD UNIT (FR)														●	●	●	●	●	●	●
	1-478-023-51	$ #	(Italian)...KEY BOARD UNIT (IT)														●	●	●	●	●	●	●
[MA]	1-478-023-61	$ #	KEY BOARD UNIT (LA)													●							
	1-478-023-81	$ #	(Spanish)...KEY BOARD UNIT (ES)														●	●	●	●	●	●	●
	1-478-023-91	$ #	(Swedish)...KEY BOARD UNIT (SE)														●	●	●	●	●	●	●
356	A-8068-276-A	$	COMPLETE PWB VIF-31	●	●			●	●		●	●			●	●		●					
	A-8068-509-A	$	COMPLETE PWB VIF-28			●	●			●			●	●			●	●			●	●	●
361	A-8116-404-A	$ #	HDD (40GB,IC25N040ATMR04)			●	●	●	●	●	●	●					●						
	A-8116-402-A	$ #	HDD (60GB,IC25N060ATMR04)		●	●	●	●	●	●	●	●			●		●	●	●	●			
	A-8067-943-A	$ #	ASSY HDD 80GB (I,40)(S)	●		●	●	●	●	●	●		●	●		●					●	●	●
	A-8113-860-A	$ #	ASSY HDD 30GB(H)(S)									●											
	A-8117-059-A	$ #	HDD (DK23FA-40,40G)			●	●	●	●	●	●	●						[COR]		[COR]			
	A-8117-585-A	$ #	HDD (DK23FA-60,60G)		●	●	●	●	●	●	●	●			●		●	●	●	●			
	A-8117-058-A	$ #	ASSY HDD 80GB (H,40)(S)			●	●	●	●	●	●		●	●		●					●	●	●
363	X-4626-446-1		ASSY DOOR HDD	●		●	●			●			●	●		●	●					●	●
	4-673-686-01		DOOR HDD(15)		●			●	●		●	●			●	●			●	●	●		
365	X-4626-407-1		HEAT PLATE			●	●			●			●	●			●	●			●	●	●
371	X-4625-916-1		ASSY DISPLAY BASE		●			●	●		●	●			●	●			●	●			
380	1-400-255-21		FERRITE CORE							●	●		●	●	●	●	●		●			●	
													[MA]				[MA]	[MA]	[MA]	[MA]	[COR]	[MA]	[MA]

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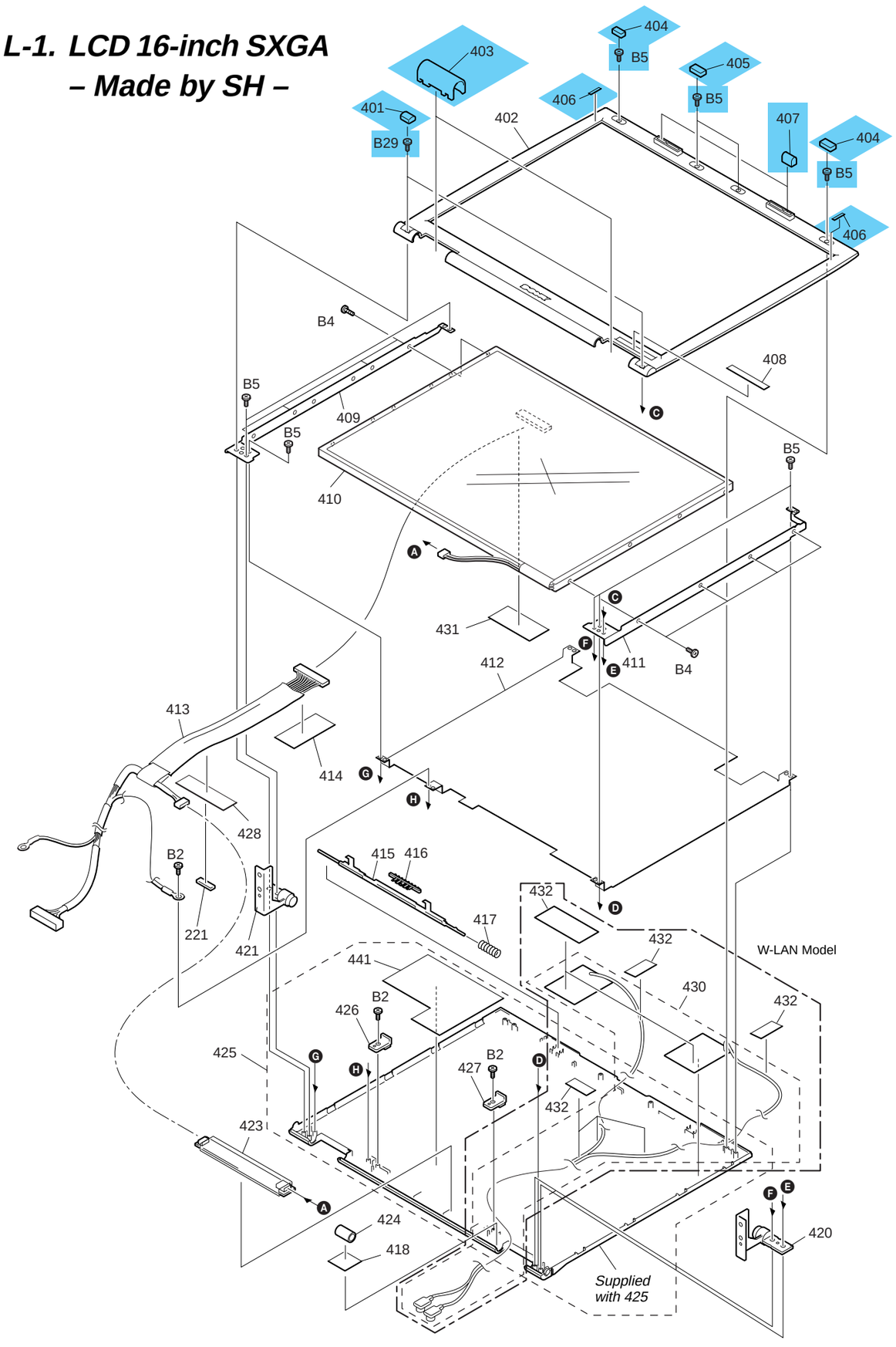
L-1. LCD 16-inch SXGA – Made by SH –



Ref.No.	Part No.		Description
221	4-676-461-01		LAN GASKET 20X5X5X
401	4-674-542-01	&	COVER SCREW LOWER
402	A-8115-904-A		ASSY HOUSING BEZEL/SH
403	4-673-716-01	&	COVER HINGE
404	4-674-540-01	&	COVER SCREW UPPER
405	4-674-541-01	&	COVER SCREW MIDDLE
406	4-672-201-11	&	CUSHION BEZEL
407	4-674-539-01	&	CUSHION LATCH
408	4-679-379-11		LABEL ID GRT896HP
409	4-673-753-01		BRACKET LCD SH L
410	A-8112-385-A	$ #	ASSY LCD SXGA 16 (S)
411	4-673-752-01		BRACKET LCD SH R
412	4-676-870-01		SHIELD DISPLAY
413	9-885-031-90		LCD HARNESS (16SXGA)
414	4-677-679-01		FOIL LCD HARNESS
415	4-673-727-01		LATCH HONTAI
416	4-673-728-01		LATCH BUTTON
417	4-671-640-01		GT2 SPRING_LATCH
418	4-673-316-01		GT2 CUSHION WL CABLE
420	4-673-736-01		HINGE R
421	4-673-735-01		HINGE L
423	1-476-316-31		INVERTER UNIT
424	4-670-045-01		GT2 TUBE WL CABLE
425	A-8115-902-A		ASSY HOUSING DISPLAY
426	4-673-730-01		LCD HOOK BASE L SH
427	4-673-731-01		LCD HOOK BASE R SH
428	4-672-403-01		COPPER TAPE LCD ED
430	1-754-295-11		ANTENNA, FILM (L AND R)
431	4-680-130-01		CU-FOIL WITH MYLAR
432	————		FILAMENT TAPE
441	4-677-784-01		FOIL INVERTER
B2	4-641-726-11		SCREW (M2), SPECIAL HEAD
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B5	4-641-726-41	&	SCREW (M2), SPECIAL HEAD
B29	4-641-726-91	&	SCREW (M2), SPECIAL HEAD

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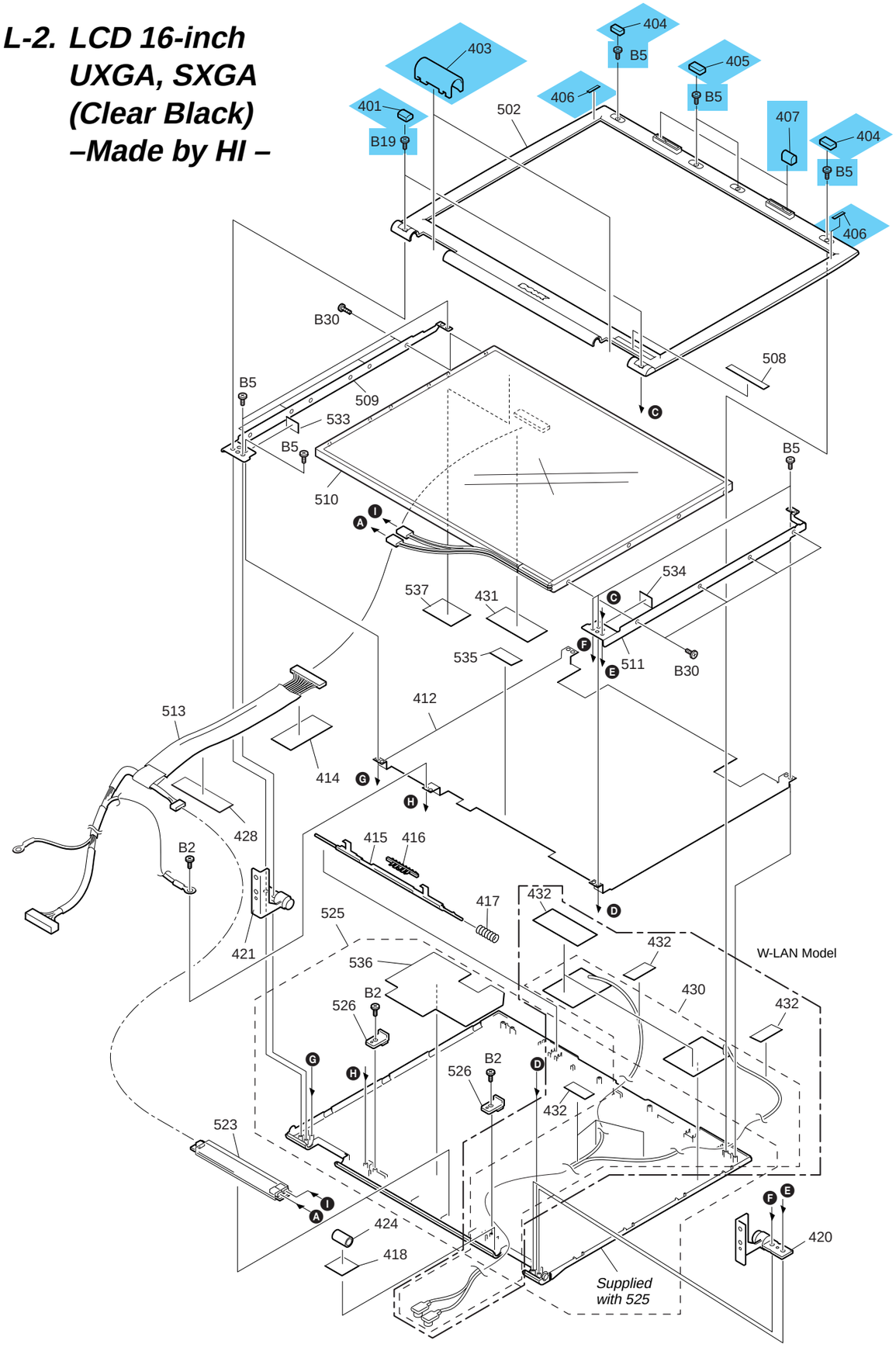
L-2. LCD 16-inch UXGA, SXGA (Clear Black) –Made by HI –



Ref.No.	Part No.		Description
401	4-674-542-01	&	COVER SCREW LOWER
403	4-673-716-01	&	COVER HINGE
404	4-674-540-01	&	COVER SCREW UPPER
405	4-674-541-01	&	COVER SCREW MIDDLE
406	4-672-201-11	&	CUSHION BEZEL
407	4-674-539-01	&	CUSHION LATCH
412	4-676-870-01		SHIELD DISPLAY
414	4-677-679-01		FOIL LCD HARNESS
415	4-673-727-01		LATCH HONTAI
416	4-673-728-01		LATCH BUTTON
417	4-671-640-01		GT2 SPRING_LATCH
418	4-673-316-01		GT2 CUSHION WL CABLE
420	4-673-736-01		HINGE R
421	4-673-735-01		HINGE L
428	4-672-403-01		COPPER TAPE LCD ED
431	4-680-130-01		CU-FOIL WITH MYLAR
502	A-8115-903-A		ASSY HOUSING BEZEL/HI
509	4-673-750-01		BRACKET LCD HI L
511	4-673-749-01		BRACKET LCD HI R
513	9-885-031-89		LCD HARNESS
523	1-478-040-11		INVERTER UNIT
525	A-8115-984-A		ASSY HOUSING DISPLAY 16(SBL)(S)
526	4-673-729-01		LCD HOOK BASE HI
533	4-676-481-01		SHEET BRACKET LCD L HIT
534	4-676-482-01		SHEET BRACKET LCD R HIT
535	4-670-396-01		SHEET COPPER(PLATE HEATSINK)
536	4-676-932-01		PLATE INVERTER
B2	4-641-726-11		SCREW (M2), SPECIAL HEAD
B5	4-641-726-41	&	SCREW (M2), SPECIAL HEAD
B19	4-641-726-91	&	SCREW (M2), SPECIAL HEAD
B30	4-636-559-01		SCREW (M2.5X4)

	Ref.No.	Part No.			Description	J: GRT77E/P	J: GRT7xE/P *	J: GRT7xE *	AM: GRT270 *	AM: GRT270G	AM: GRT260G	EU: GRT816M	EU: GRT896SP	EU: GRT816S
	424	4-672-196-01			TUBE WL CABLE				●	●	●		●	
	430	1-754-295-11			ANTENNA, FILM (L AND R)				●	●	●		●	
	432	————			FILAMENT TAPE					●	●		●	
△1 [MA]	508	4-678-549-01			LABEL ID	●								
		4-679-379-21			LABEL ID							●		
△2 [MA]		4-679-379-61			LABEL ID								●	
△2 [MA]		4-679-379-71			LABEL ID									●
△2 [MA]		4-679-392-11			LABEL ID					●				
△2 [MA]		4-679-392-21			LABEL ID						●			
△1 [ADD]		4-678-552-01			LABEL ID		●							
△1 [ADD]		4-678-552-11			LABEL ID			●						
△1 [ADD]		4-678-552-21			LABEL ID		●							
△1 [ADD]		4-678-552-31			LABEL ID			●						
△1 [ADD]		4-679-141-11			LABEL ID (UCTO)				●					
△1 [ADD]		4-679-141-21			LABEL ID (UCTO)				●					
△1 [ADD]		4-679-141-31			LABEL ID (UCTO)				●					
	510	A-8115-722-A	$	#	LCD UNIT (16TFT-UXGA-HI)(S)		●	●	●	●			●	
		A-8115-721-A	$	#	LCD UNIT (16TFT-SXGA+-HI)(S)	●	●	●			●	●		●
	537	4-680-580-01			BUSTERAID W-LAN				●	●	●			
						△1 [MA]				△2 [MA]	△2 [MA]		△2 [MA]	△2 [MA]

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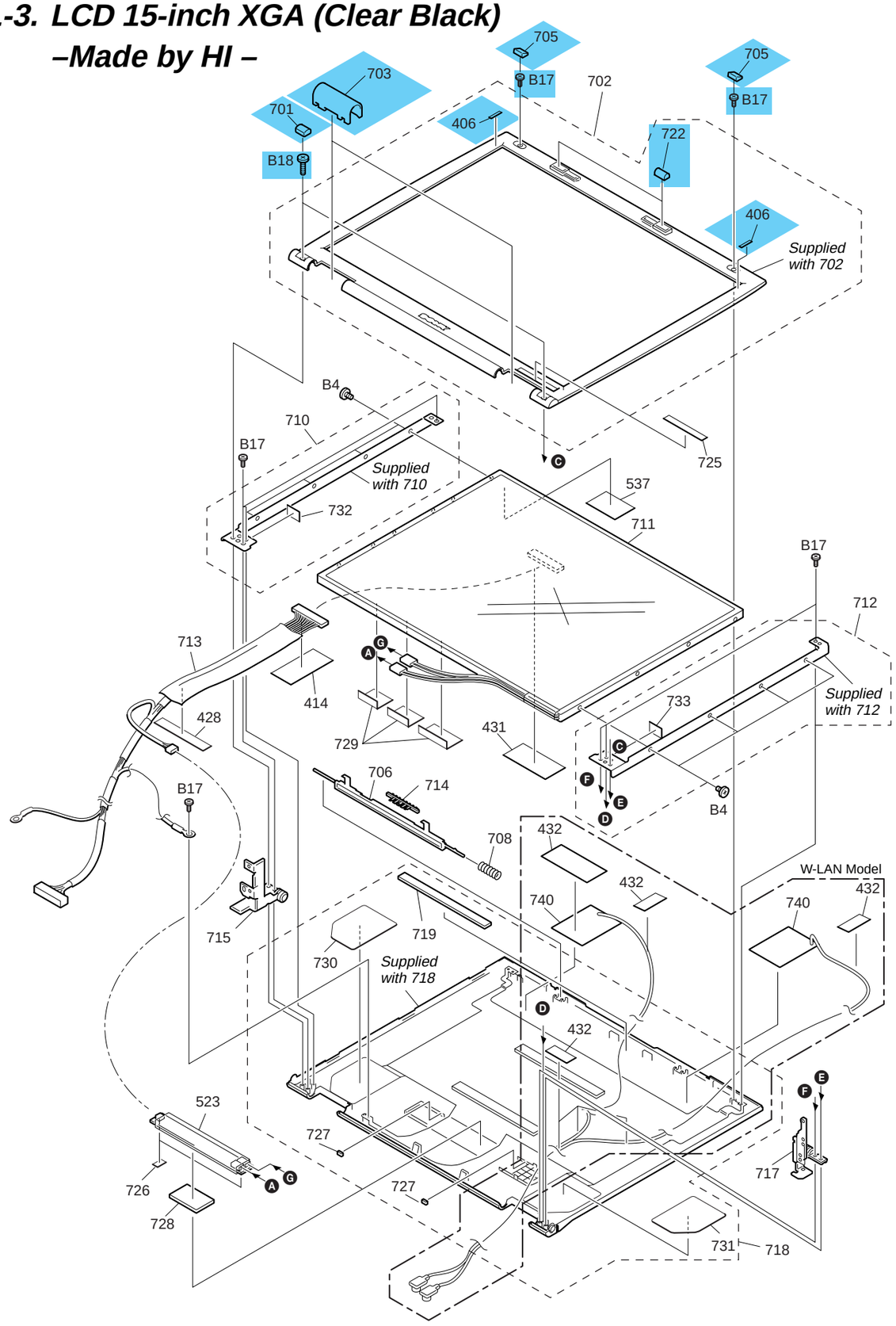
L-3. LCD 15-inch XGA (Clear Black) –Made by HI –



Ref.No.	Part No.		Description
406	4-672-201-11	&	CUSHION BEZEL
414	4-677-679-01		FOIL LCD HARNESS
428	4-672-403-01		COPPER TAPE LCD ED
431	4-680-130-01		CU-FOIL WITH MYLAR
523	1-478-040-11		INVERTER UNIT
701	4-672-197-11	&	COVER SCREW LOWER
702	A-8115-900-A		ASSY HOUSING BEZEL 15 HIT
703	4-667-073-11	&	COVER HINGE
705	4-672-198-11	&	COVER SCREW UPPER
706	4-673-710-01		LATCH HONTAI
708	4-672-199-01		SPRING (LATCH), COMPRESSION
710	X-4626-189-1		ASSY BRACKET LCD L HIT
711	A-8115-792-A	$ #	ASSY LCD 15XGA(HI)(S)
712	X-4626-190-1		ASSY BRACKET LCD R HIT
713	9-885-031-25		LCD HARNESS
714	4-670-668-11		LATCH BUTTON
715	4-673-807-11		HINGE L
717	4-673-808-11		HINGE R
718	A-8115-897-A		ASSY DISPLAY HOUSING 15(SBR)(S)
719	4-676-424-01		SHEET DISPLAY HOUSING HIT
722	4-672-202-11	&	CUSHION LATCH
726	4-676-478-01		SHEET DISPLAY HOUSING HIT 2
727	4-676-479-01		SHEET DISPLAY HOUSING HIT 3
728	4-676-422-01		SHEET PLATE LCD
729	4-676-480-01		FOIL LCD HIT
730	4-678-912-01		SHEET PLATE LCD L
731	4-678-911-01		SHEET PLATE LCD R
732	4-676-481-01		SHEET BRACKET LCD L HIT
733	4-676-482-01		SHEET BRACKET LCD R HIT
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B17	4-641-726-61	&	SCREW (M2), SPECIAL HEAD
B18	4-664-453-21	&	SCREW (M2X7), SPECIAL HEAD

	Ref.No.	Part No.	Description	J GRT55E/B	J GRT5xE/P *	J GRT5xE *	AM GRT250 *	AM GRT240G	AM GRT35F
	432	————	FILAMENT TAPE				●	●	●
	537	4-680-580-01	BUSTERAID W-LAN				●	●	●
⚠2 [MA]	725	4-679-188-11	LABEL ID						●
⚠2 [MA]		4-679-392-31	LABEL ID					●	
		4-678-549-11	LABEL ID	●					
⚠1 [ADD]		4-678-552-41	LABEL ID		●				
⚠1 [ADD]		4-678-552-51	LABEL ID			●			
⚠1 [ADD]		4-678-552-61	LABEL ID		●				
⚠1 [ADD]		4-678-552-71	LABEL ID			●			
⚠1 [ADD]		4-679-141-41	LABEL ID (UCTO)				●		
⚠1 [ADD]		4-679-141-51	LABEL ID (UCTO)				●		
⚠1 [ADD]		4-679-141-61	LABEL ID (UCTO)				●		
	740	1-754-295-21	ANTENNA, FILM (L AND R)				●	●	●
							⚠2 [MA]	⚠2 [MA]	

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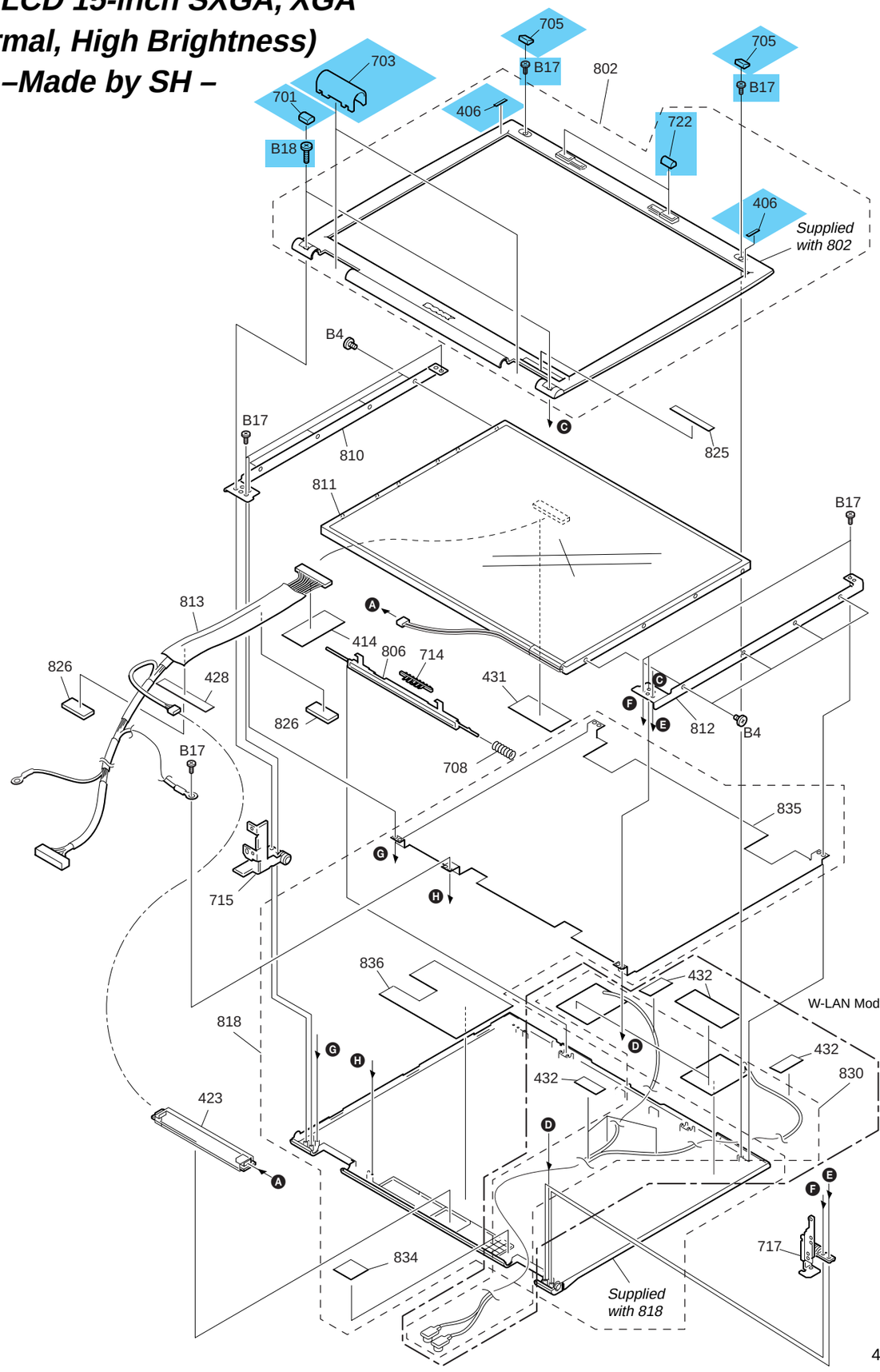
L-4. LCD 15-inch SXGA, XGA (Normal, High Brightness) –Made by SH –



Ref.No.	Part No.		Description
406	4-672-201-11	&	CUSHION BEZEL
414	4-677-679-01		FOIL LCD HARNESS
418	4-673-316-01		GT2 CUSHION WL CABLE
423	1-476-316-31		INVERTER UNIT
428	4-672-403-01		COPPER TAPE LCD ED
431	4-680-130-01		CU-FOIL WITH MYLAR
701	4-672-197-11	&	COVER SCREW LOWER
703	4-667-073-11	&	COVER HINGE
705	4-672-198-11	&	COVER SCREW UPPER
708	4-672-199-01		SPRING (LATCH), COMPRESSION
714	4-670-668-11		LATCH BUTTON
715	4-673-807-01		HINGE L
717	4-673-808-01		HINGE R
722	4-672-202-11	&	CUSHION LATCH
802	A-8115-899-A		ASSY HOUSING BEZEL 15(S)
806	4-670-669-11		LATCH HONTAI
* 810	4-671-115-01		BRACKET LCD 15 (L)
* 812	4-671-114-02		BRACKET LCD 15 (R)
818	A-8115-898-A		ASSY HOUSING DISPLAY 15(S)
826	4-677-683-01		DISPLAY GASKET
835	4-677-672-01		SHIELD DISPLAY
836	4-677-680-01		FOIL HOUSING DISPLAY
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B17	4-641-726-61	&	SCREW (M2), SPECIAL HEAD
B18	4-664-453-21	&	SCREW (M2X7), SPECIAL HEAD

	Ref.No.	Part No.			Description	J		AM	EU		
						GRT5xE/P *	GRT5xE *	GRT250 *	GRT895MP	GRT815E	GRT815M
	432				FILAMENT TAPE						
	811	A-8115-790-A	$	#	ASSY LCD 15XGA (SH)(S)					●	●
		A-8113-853-A	$	#	ASSY LCD 15 (SH) GT2 (S)	●	●	●	●		
	813	9-885-031-28			15XGA N/B HARNESS	●	●	●	●		
		9-885-031-27			15XGA N/B/L HARNESS					●	●
	825	4-679-379-31			LABEL ID				●		
		4-679-379-41			LABEL ID					●	
		4-679-379-51			LABEL ID						●
⚠	[ADD]	4-678-552-41			LABEL ID	●					
⚠	[ADD]	4-678-552-51			LABEL ID		●				
⚠	[ADD]	4-678-552-61			LABEL ID	●					
⚠	[ADD]	4-678-552-71			LABEL ID		●				
⚠	[ADD]	4-679-141-41			LABEL ID (UCTO)			●			
⚠	[ADD]	4-679-141-51			LABEL ID (UCTO)			●			
⚠	[ADD]	4-679-141-61			LABEL ID (UCTO)			●			
	830	1-754-295-31			ANTENNA, FILM (L AND R)			●	●		

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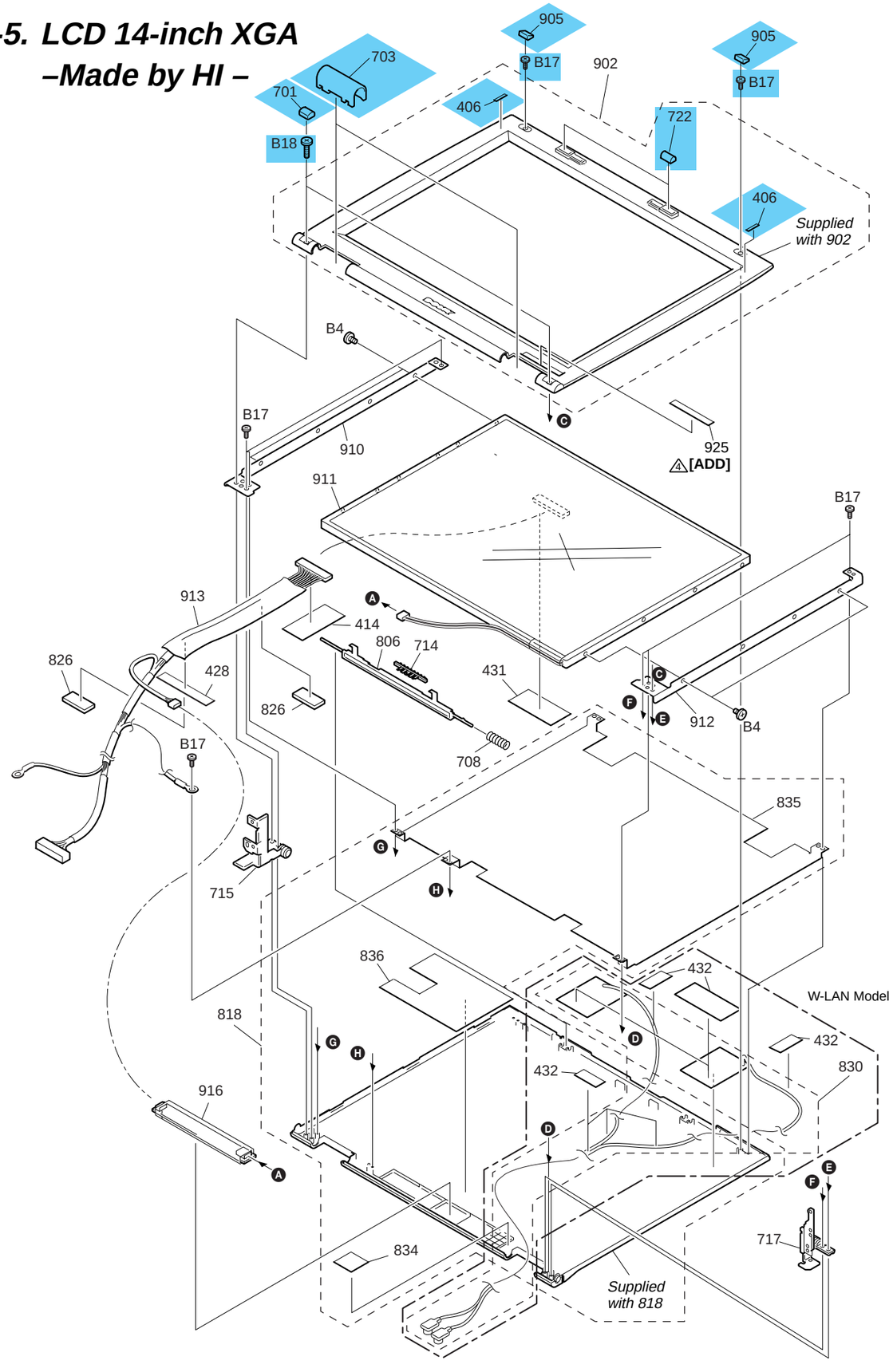
L-5. LCD 14-inch XGA –Made by HI –



Ref.No.	Part No.		Description
406	4-672-201-11	&	CUSHION BEZEL
414	4-677-679-01		FOIL LCD HARNESS
418	4-673-316-01		GT2 CUSHION WL CABLE
428	4-672-403-01		COPPER TAPE LCD ED
431	4-680-130-01		CU-FOIL WITH MYLAR
432	————		FILAMENT TAPE
701	4-672-197-11	&	COVER SCREW LOWER
703	4-667-073-11	&	COVER HINGE
708	4-672-199-01		SPRING (LATCH), COMPRESSION
714	4-670-668-11		LATCH BUTTON
715	4-673-807-01		HINGE L
717	4-673-808-01		HINGE R
722	4-672-202-11	&	CUSHION LATCH
806	4-670-669-11		LATCH HONTAI
818	A-8115-898-A		ASSY HOUSING DISPLAY 15
826	4-677-683-01		DISPLAY GASKET
830	1-754-295-31		ANTENNA, FILM (L AND R)
835	4-677-672-01		SHIELD DISPLAY
836	4-677-680-01		FOIL HOUSING DISPLAY
902	A-8115-901-A		ASSY HOUSING BEZEL 14
905	4-672-203-11	&	COVER SCREW UPPER 14
* 910	4-671-117-01		BRACKET LCD 14 (L)
911	A-8113-928-A	$ #	LCD UNIT(14.1XGA)(H)(S)
* 912	4-671-116-01		BRACKET LCD 14 (R)
913	9-885-031-28		15XGA N/B HARNESS
916	1-476-317-21		INVERTER UNIT
925	4-679-141-71		LABEL ID (UCTO) ← [ADD]
B4	4-641-726-81		SCREW (M2), SPECIAL HEAD
B17	4-641-726-61	&	SCREW (M2), SPECIAL HEAD
B18	4-664-453-21	&	SCREW (M2X7), SPECIAL HEAD

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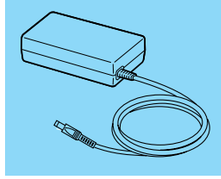
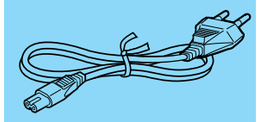
A-1. Accessory

1001
AC Adaptor *1

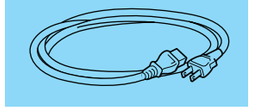


1003
Battery Pack

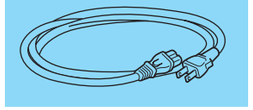
1004
Power Cord



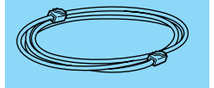
1005
Power Cord



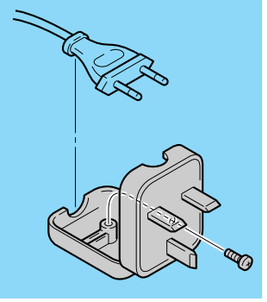
1006
Power Cord



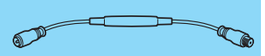
1007
Connection Cord



1008
Coversion Plug
3P Adaptor



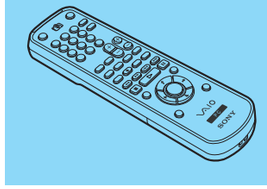
1009
Attenuator



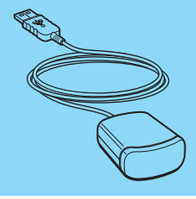
1010
Combo Dummy

1011
Antena Cable

1012
Remote Commander

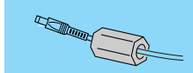


1013
RAY-Catcher Unit



△2 [MA]

1014
FILTER CLAMP *1



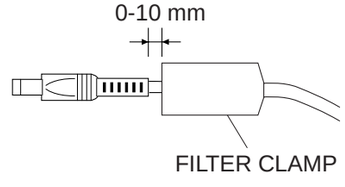
Ref.No.	Part No.				Description	GRT77E/P	GRT55E/B	GRT7xE/P ✻	GRT7xE ✻	GRT5xE/P ✻	GRT5xE ✻	GRT270 ✻	GRT250 ✻	GRT230 ✻	GRT270G	GRT260G	GRT240G	GRT35F	GRT896HP	GRT816M	GRT895MP	GRT815E	GRT815M	GRT896SP	GRT816S
						J						AM							EU						
✻1⚠	1001 1-478-037-32	$		&	ADAPTOR, AC			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
⚠	1-478-038-12	$		&	ADAPTOR, AC	●	●																		
	1003 A-8067-763-A	$	#	&	BP2NX SNT(J)ASSY(S)	●	●	●	●	●	●														
	A-8112-427-A	$	#	&	BP2NX SNT(U)ASSY(S)							●	●	●	●	●	●								
	1-756-269-42	$	#	&	BATTERY PACK, LITHIUM ION													●	●	●	●	●	●	●	●
⚠	1004 1-575-131-61			&	CORD, POWER														●	●	●	●	●	●	●
⚠	1005 1-757-562-01			&	CORD, POWER													●							
	1-757-562-21			&	CORD, POWER							●	●	●	●	●	●								
⚠	1006 1-790-732-32			&	CORD, POWER	●	●	●	●	●	●														
	1007 1-783-801-22			&	CORD, CONNECTION														●	●	●	●	●	●	●
	1008 1-770-019-12			&	ADAPTOR, CONVERSION PLUG 3P														●	●	●	●	●	●	●
	1009 1-417-422-11			&	CABLE, RF ATTENUATOR (TV)	●	●	●	●	●	●														
	1010 4-673-694-01			&	COMBO DUMMY	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	1011 1-823-959-11			&	CORD, COAXIAL CONNECTOR WITH (TV)	●	●								●	●	●								
△2 [MA]	1012 1-477-556-21			&	REMOTE COMMANDER (TV)	●	●	●	●	●	●														
	1-477-900-11			&	REMOTE COMMANDER										●	●	●								
	1013 1-477-218-41			&	RAY-CATCHER UNIT (TV)	●	●	●	●	●	●				●	●	●								
✻1	1014 1-400-636-11			&	FILTER, CLAMP (FERRITE CORE)										●	●	●								
	1-400-255-21			&	FERRITE CORE							●	●						●		●			●	
	4-679-420-01			&	GETTING STARTED BOOKLET														●	●	●	●	●	●	●
	4-679-074-01			&	Instruction Manual (XP)	●	●	●	●	●	●														
	4-679-028-01			&	QUICK START										●	●	●								
	4-679-038-01			&	QUICK START							●	●	●											
	4-679-144-01			&	QUICK START													●							
	4-679-143-01			&	SPEC SHEET													●							
						△1 [MA]									△2 [MA]	△2 [MA]	△2 [MA]	△2 [MA]					△2 [MA]	△2 [MA]	

✻1 For the AC adaptor shown by the reference No. 1001 of the GRT270G, GRT260G and GRT240G, be sure to install the FILTER CLAMP shown by reference No. 1014.

✻1 GRT270G,GRT260G,GRT240G の ref.1001 AC アダプターには ,ref.1014 FILTER CLAMP を必ず取りつけてください。

• Clamp position

• FILTER CLAMPの取り付け位置



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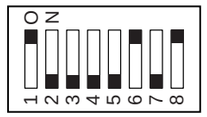
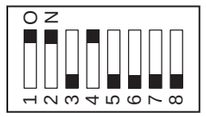
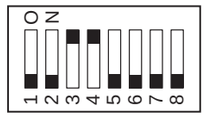
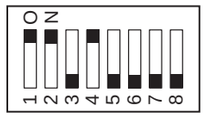
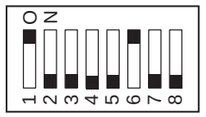
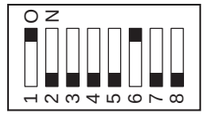
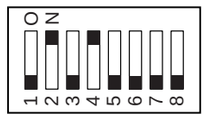
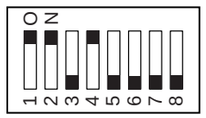
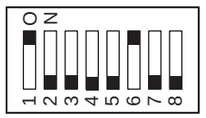
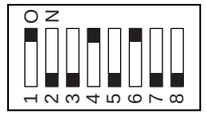
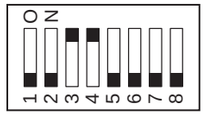
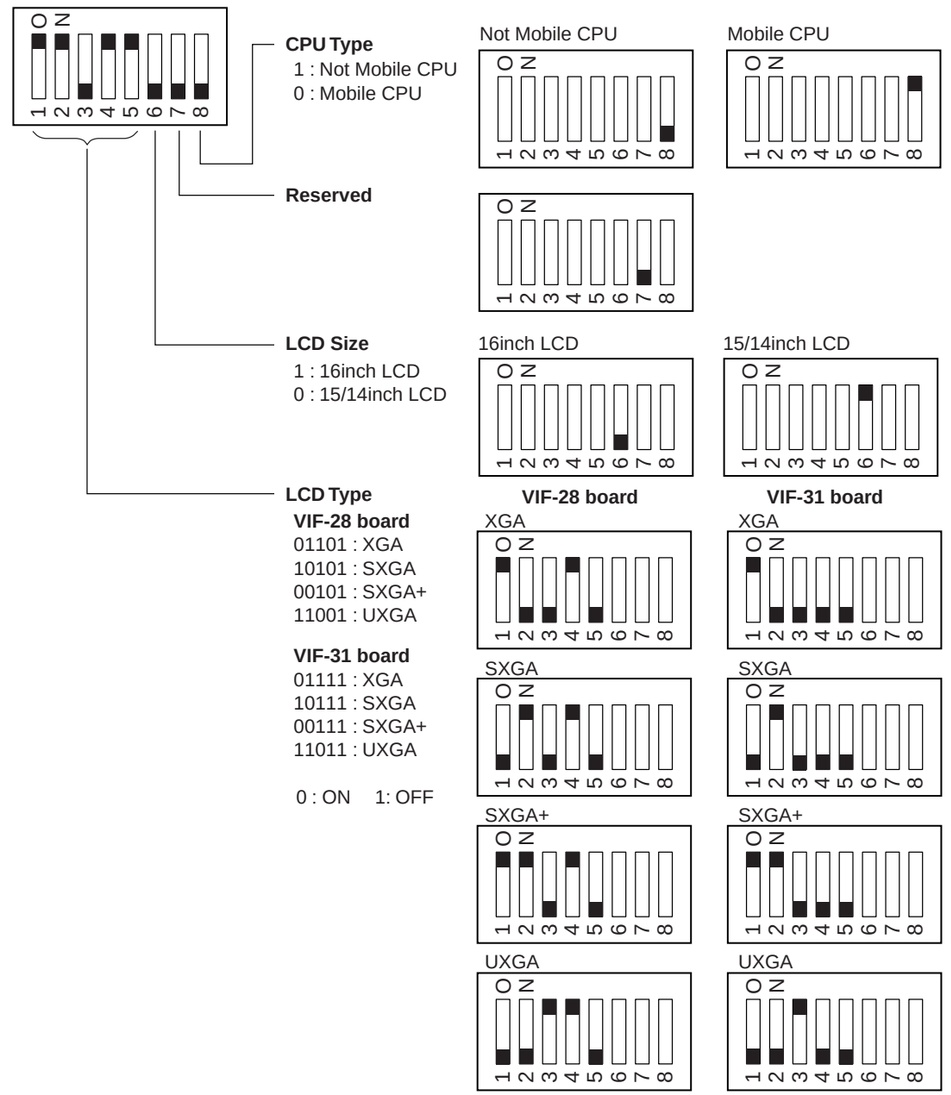
DIP Switch

The DIP switch setting is following table.
DIP スイッチの設定は下の表をご参照ください

J	PCG-GRT55E/B  ⚠[MA] PCG-GRT77E/P 
AM	⚠[MA] PCG-GRT270G  ⚠[MA] PCG-GRT260G  ⚠[MA] PCG-GRT240G  ⚠[MA] PCG-GRT35F 
EU	PCG-GRT896HP  PCG-GRT816M  PCG-GRT895MP  PCG-GRT815E,GRT815M  ⚠[MA] PCG-GRT896SP  ⚠[MA] PCG-GRT816S

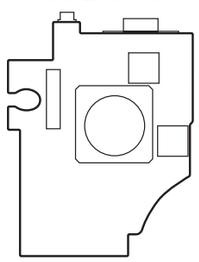
[FOR CTO MODEL]



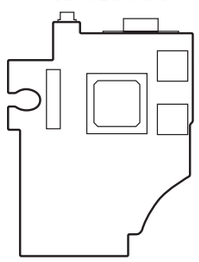
The DIP switch setting is different depending the types of LCD, CPU and VIF board.
Set the DIP switch of the CTO model in accordance with the above table.
For the method of identifying the types of the VIF board, see the illustration shown below.

DIP スイッチの設定は，LCD や CPU，VIF 基板の種類により異なります。
CTO モデルは，上の表に従って DIP スイッチを設定してください。
VIF 基板の見分け方については，下記の図をご覧ください。

VIF-28 board



VIF-31 board



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CHAPTER 5.
OTHERS

5-1. バーコードラベルについて

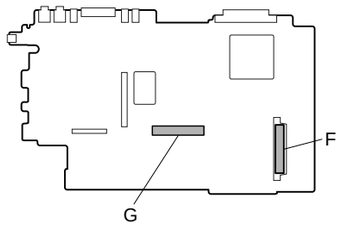
バーコードラベルの見方

バーコードラベルの網掛け部は，修理データとして使用いたします。

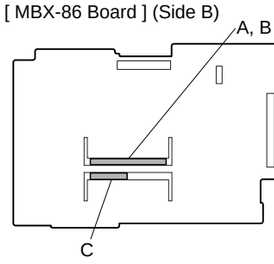
5-1. The barcode label

The hatched portion of the barcode label is used as the repair data.

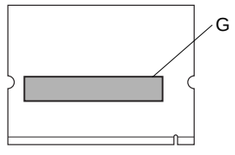
[MBX-86 Board] (Side A)



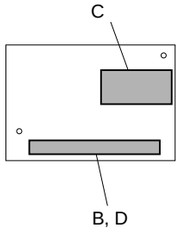
[MBX-86 Board] (Side B)



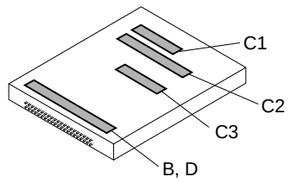
[Wireless LAN Card]



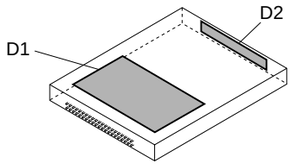
[Modem Card]



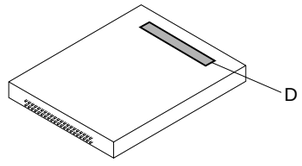
[HDD] (Made by I) (Top)



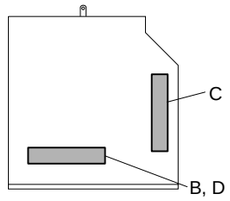
[HDD] (Made by Hi) (Top)



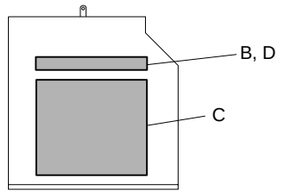
[HDD] (Made by Fu) (Top)



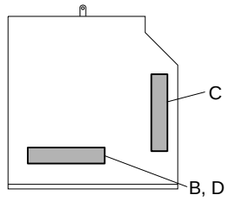
[DVD+-RW Drive] (Made by So) (Top)



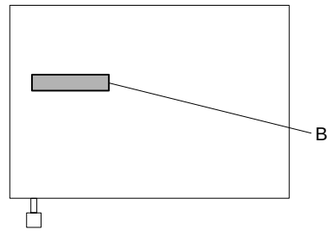
[DVD-RW Drive] (Made by Pi) (Top)



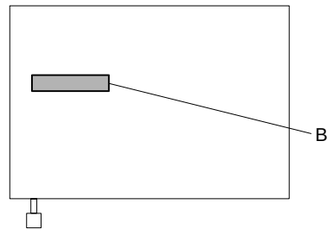
[Combination Drive] (Made by So) (Top)



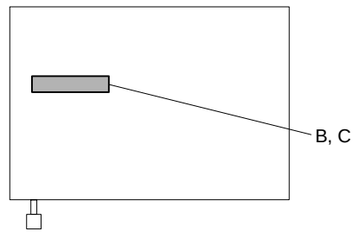
[LCD Unit (16-inch UXGA Clear Black) (HI)] (Rear)



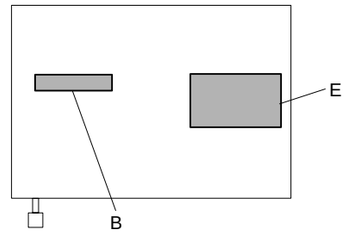
[LCD Unit (16-inch SXGA Clear Black) (HI)] (Rear)



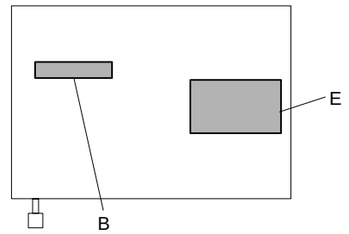
[LCD Unit (16-inch SXGA) (SH)] (Rear)



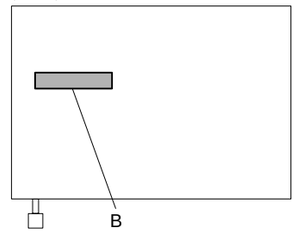
[LCD Unit (15-inch XGA) (SH)] (Rear)



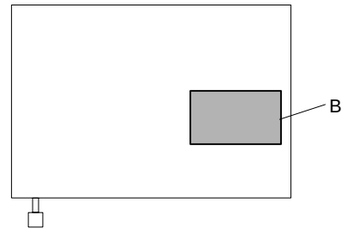
[LCD Unit (15-inch SXGA) (SH)] (Rear)



[LCD Unit (15-inch XGA Clear Black) (HI)] (Rear)



[LCD Unit (14-inch XGA) (HI)] (Rear)



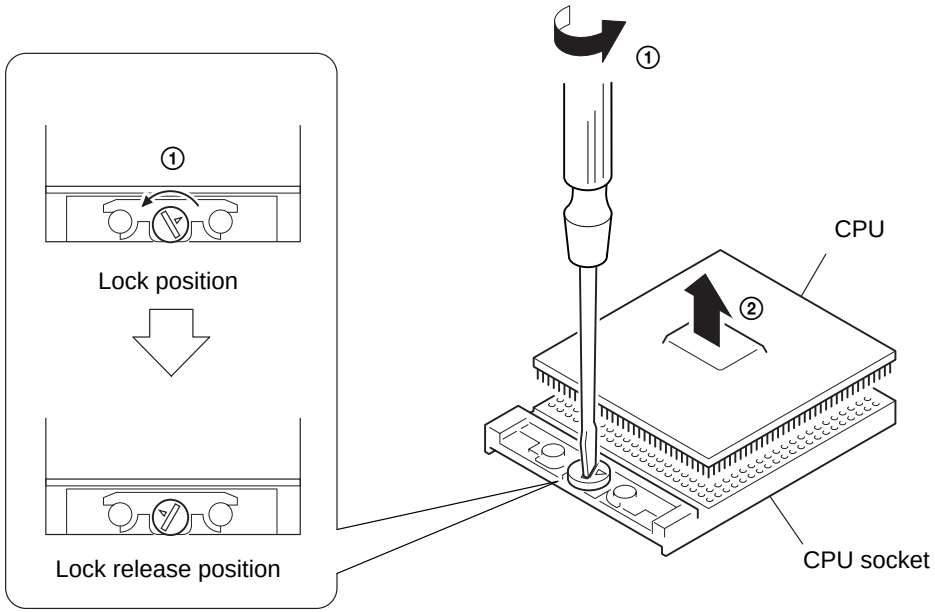
A : Parts No.
B : Serial No.
C : Revision No.
D : Product code
E : Maker Barcode
F : Global User ID (iLink)
G : Mac Address
▭ : Barcode

5-2. Replacing the CPU

1. Removing the CPU

① Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the lock release position.

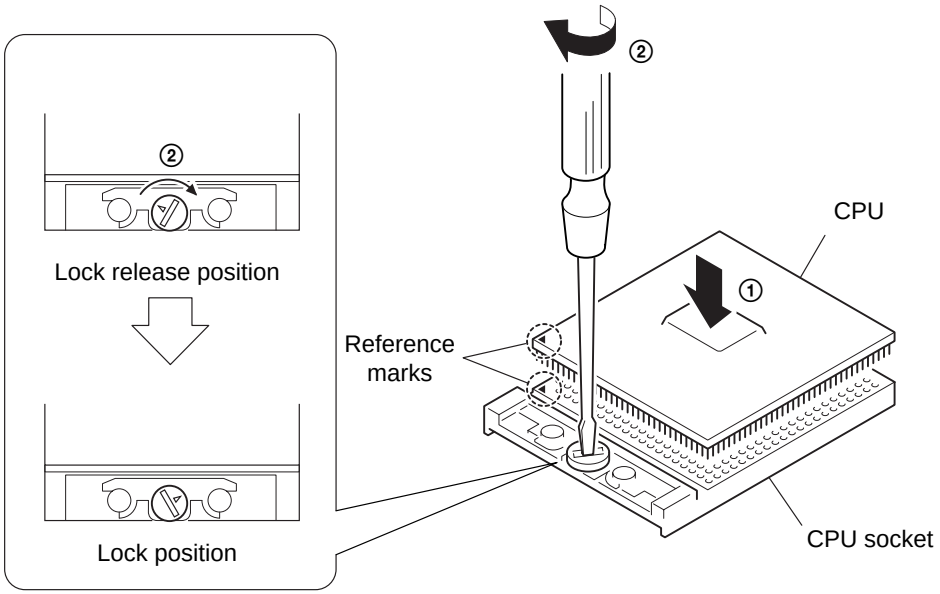
② Pull the CPU gently upward to lift it out of the CPU socket.



2. Installing the CPU

① Align the triangle reference mark of the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.

② Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the lock position.



NOTE:

Rotate a flat-blade screwdriver to the lock position securely. If not, the operation of the CPU may become unstable.

5-3. CTO Information

1. PCG-GRT7xE

Model name : PCG-GRT7xE/P (Japanese Area)
Model number :
OS : WindowsXP Pro
Ver.1.0

LCD	**16.1 UXGA(Clear Black)** A-8115-722-A LCD UNIT(16TFT-UXGA-HI)(S)	**16.1 SXGA+(Clear Black)** A-8115-721-A LCD UNIT(16TFT-SXGA+-HI)(S)	
CPU	**P4-D2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-D 2.40BGHz** 6-704-668-01 IC RK80532PE056512SL6PC	
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T		
Battery	**PCGA-BP2NX** A-8067-763-A BP2NX SNT(J)ASSY(S)		
GFX	**NV31(VIF-28)** A-8068-509-A COMPLETE PWB VIF-28(IN)		
Gigapo	○	X	
W-LAN	X		
LABEL ID	**GRT71E/P** 4-678-552-01 LABEL ID	**GRT72E/P** 4-678-552-21 LABEL ID	⚠4 **[ADD]**

Model name : PCG-GRT7xE (Japanese Area)
Model number :
OS : WindowsXP Home
Ver.1.0

LCD	**16.1 UXGA(Clear Black)** A-8115-722-A LCD UNIT(16TFT-UXGA-HI)(S)	**16.1 SXGA+(Clear Black)** A-8115-721-A LCD UNIT(16TFT-SXGA+-HI)(S)	
CPU	**P4-D2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-D 2.40BGHz** 6-704-668-01 IC RK80532PE056512SL6PC	
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T		
Battery	**PCGA-BP2NX** A-8067-763-A BP2NX SNT(J)ASSY(S)		
GFX	**NV31(VIF-28)** A-8068-509-A COMPLETE PWB VIF-28(IN)		
Gigapo	○	X	
W-LAN	X		
LABEL ID	**GRT71E** 4-678-552-11 LABEL ID	**GRT72E** 4-678-552-31 LABEL ID	⚠4 **[ADD]**

Confidential

2. PCG-GRT5xE

Model name : PCG-GRT5xE/P (Japanese Area)
Model number :
OS : WindowsXP Pro
Ver.1.0

LCD	**15 XGA(Clear Black)** A-8115-792-A ASSY LCD 15XGA(HI)(S)	**15 XGA** A-8113-853-A ASSY LCD 15(SH) GT2 (S)		
CPU	**P4-D2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-D 2.40BGHz** 6-704-668-01 IC RK80532PE056512SL6PC		
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3	
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB	
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN		
Battery	**BP2NX** A-8067-763-A BP2NX SNT(J)ASSY(S)			
GFX	**SQ17(VIF-31)** A-8068-276-A COMPLETE PWB VIF-31			
Gigapo	○	X		
W-LAN	X			
LABEL ID	**GRT51E/P** 4-678-552-41 LABEL ID	**GRT52E/P** 4-678-552-61 LABEL ID	⚠4 **[ADD]**	

Model name : PCG-GRT5xE (Japanese Area)
Model number :
OS : WindowsXP Home
Ver.1.0

LCD	**15 XGA(Clear Black)** A-8115-792-A ASSY LCD 15XGA(HI)(S)	**15 XGA** A-8113-853-A ASSY LCD 15(SH) GT2 (S)		
CPU	**P4-D2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-D 2.40BGHz** 6-704-668-01 IC RK80532PE056512SL6PC		
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3	
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB	
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN		
Battery	**BP2NX** A-8067-763-A BP2NX SNT(J)ASSY(S)			
GFX	**SQ17(VIF-31)** A-8068-276-A COMPLETE PWB VIF-31			
Gigapo	○	X		
W-LAN	X			
LABEL ID	**GRT51E** 4-678-552-51 LABEL ID	**GRT52E** 4-678-552-71 LABEL ID	⚠4 **[ADD]**	

Confidential

3. PCG-GRT270

Model name : PCG-GRT270P
Model number :
OS : WindowsXP Pro
Ver.1.0

LCD	**16.1 UXGA(Clear Black)** A-8115-722-A LCD UNIT(16TFT-UXGA-HI)(S)					
CPU	**P4-M2.6GHz** 6-705-187-01 IC RH80532GC064512SL6WZ	**P4-M2.4GHz** 6-704-615-01 IC RH80532GC056512SL6VC	**P4-M2.2GHz** 6-704-614-01 IC RH80532GC049512SL6VB	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3				
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB				
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN					
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)						
GFX	**NV31(VIF-28)** A-8068-509-A COMPLETE PWB VIF-28(IN)						
W-LAN	○	X					
Gigapo	X						
LABEL ID	**GRT270P** 4-679-141-11 LABEL ID (UCTO)	⚠ **[ADD]**					

Model name : PCG-GRT270
Model number :
OS : WindowsXP Home
Ver.1.0

LCD	**16.1 UXGA(Clear Black)** A-8115-722-A LCD UNIT(16TFT-UXGA-HI)(S)					
CPU	**P4-M2.6GHz** 6-705-187-01 IC RH80532GC064512SL6WZ	**P4-M2.4GHz** 6-704-615-01 IC RH80532GC056512SL6VC	**P4-M2.2GHz** 6-704-614-01 IC RH80532GC049512SL6VB	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3				
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB				
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN					
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)						
GFX	**NV31(VIF-28)** A-8068-509-A COMPLETE PWB VIF-28(IN)						
W-LAN	○	X					
Gigapo	X						
LABEL ID	**GRT270** 4-679-141-21 LABEL ID (UCTO)	⚠ **[ADD]**					

Model name : PCG-GRT270K
Model number :
OS : Windows 2000
Ver.1.0

LCD	**16.1 UXGA(Clear Black)** A-8115-722-A LCD UNIT(16TFT-UXGA-HI)(S)					
CPU	**P4-M2.6GHz** 6-705-187-01 IC RH80532GC064512SL6WZ	**P4-M2.4GHz** 6-704-615-01 IC RH80532GC056512SL6VC	**P4-M2.2GHz** 6-704-614-01 IC RH80532GC049512SL6VB	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3				
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB				
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN					
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)						
GFX	**NV31(VIF-28)** A-8068-509-A COMPLETE PWB VIF-28(IN)						
W-LAN	X						
Gigapo	X						
LABEL ID	**GRT270K** 4-679-141-31 LABEL ID (UCTO)	⚠ **[ADD]**					

4. PCG-GRT250

Model name : PCG-GRT250P
Model number :
OS : WindowsXP Pro
Ver.1.0

LCD	**15 XGA(Clear Black)** A-8115-792-A ASSY LCD 15XGA(HI)(S)	**15 XGA** A-8113-853-A ASSY LCD 15(SH) GT2 (S)					
CPU	**P4-M2.6GHz** 6-705-187-01 IC RH80532GC064512SL6WZ	**P4-M2.4GHz** 6-704-615-01 IC RH80532GC056512SL6VC	**P4-M2.2GHz** 6-704-614-01 IC RH80532GC049512SL6VB	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3				
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB				
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN					
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)						
GFX	**SQ17(VIF-31)** A-8068-276-A COMPLETE PWB VIF-31						
W-LAN	○	X					
Gigapo	X						
LABEL ID	**GRT250P** 4-679-141-41 LABEL ID (UCTO)	⚠ **[ADD]**					

Model name : PCG-GRT250
Model number :
OS : WindowsXP Home
Ver.1.0

LCD	**15 XGA(Clear Black)** A-8115-792-A ASSY LCD 15XGA(HI)(S)	**15 XGA** A-8113-853-A ASSY LCD 15(SH) GT2 (S)					
CPU	**P4-M2.6GHz** 6-705-187-01 IC RH80532GC064512SL6WZ	**P4-M2.4GHz** 6-704-615-01 IC RH80532GC056512SL6VC	**P4-M2.2GHz** 6-704-614-01 IC RH80532GC049512SL6VB	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3				
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB				
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN					
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)						
GFX	**SQ17(VIF-31)** A-8068-276-A COMPLETE PWB VIF-31						
W-LAN	○	X					
Gigapo	X						
LABEL ID	**GRT250** 4-679-141-51 LABEL ID (UCTO)	⚠ **[ADD]**					

Model name : PCG-GRT250K
Model number :
OS : Windows 2000
Ver.1.0

LCD	**15 XGA(Clear Black)** A-8115-792-A ASSY LCD 15XGA(HI)(S)	**15 XGA** A-8113-853-A ASSY LCD 15(SH) GT2 (S)					
CPU	**P4-M2.6GHz** 6-705-187-01 IC RH80532GC064512SL6WZ	**P4-M2.4GHz** 6-704-615-01 IC RH80532GC056512SL6VC	**P4-M2.2GHz** 6-704-614-01 IC RH80532GC049512SL6VB	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.8GHz** 6-704-133-01 IC RK80532PE072512SL6S4	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**1024MB**(512MBx2) A-8068-348-A COMPLETE PWB MM-10A	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3				
HDD	**80GB** A-8067-943-A ASSY HDD 80GB(I,40)(S)	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB				
Optical	**DVD+-RW** 8-457-509-03 DVD DRIVE, DW-U50A-VN/T	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN					
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)						
GFX	**SQ17(VIF-31)** A-8068-276-A COMPLETE PWB VIF-31						
W-LAN	X						
Gigapo	X						
LABEL ID	**GRT250K** 4-679-141-61 LABEL ID (UCTO)	⚠ **[ADD]**					

5. PCG-GRT230

Model name : PCG-GRT230
Model number :
OS : WindowsXP Home
Ver.1.0

LCD	**14.1 XGA** A-8113-928-A LCD UNIT(14.1XGA)(HI)(S)		
CPU	**M-CEL 2.0GHz** 6-704-652-01 IC RH80532NC041256SL6VJ	**P4-2.66 GHz** 6-704-666-01 IC RK80532PE067512SL6PE	**P4 2.4BGHz** 6-704-668-01 IC RK80532PE056512SL6PC
Memory	**512MB**(512MBx1) A-8068-348-A COMPLETE PWB MM-10A	**256MB**(256MBx1) 6-704-094-01 IC MT8VDDT3264HDG-265C3	
HDD	**60GB** A-8116-402-A ASSY HDD 60GB	**40GB** A-8116-404-A ASSY HDD 40GB	**30GB** A-8113-860-A ASSY HDD 30GB(H)(S)
Optical	**CD-RW/DVD-ROM** 8-457-270-10 RW DRIVE CRX830E-VN		
Battery	**PCGA-BP2NX** A-8112-427-A BP2NX SNT(U)ASSY(S)		
GFX	**SQ17(VIF-31)** A-8068-276-A COMPLETE PWB VIF-31		
W-LAN	X		
Gigapo	X		

List of PCG-GRT Series (As of June, 2005)

Service Manual Part No.	Model Name			
	J	AM	EU	AO
9-876-309-XX	PCG-GRT55/B PCG-GRT77/B PCG-GRT99/P	PCG-GRT25F PCG-GRT150 PCG-GRT160 PCG-GRT170	PCG-GRT715E PCG-GRT715M PCG-GRT716S PCG-GRT785B PCG-GRT785E PCG-GRT786M PCG-GRT795MP PCG-GRT796MP PCG-GRT796SP	PCG-GRT25 PCG-GRT25CP PCG-GRT25L PCG-GRT30CP PCG-GRT30LP PCG-GRT30P
~~9-876-352-XX~~ ⚠3 [COR] 9-876-343-XX	PCG-GRT55E/B PCG-GRT5xE* PCG-GRT55E/P* PCG-GRT77E/P PCG-GRT7xE* PCG-GRT7xE/P*	PCG-GRT35F PCG-GRT230G* PCG-GRT240G PCG-GRT250G* PCG-GRT260G PCG-GRT270G* PCG-GRT270G	PCG-GRT815E PCG-GRT815M PCG-GRT816M PCG-GRT816S PCG-GRT895MP PCG-GRT896HP PCG-GRT896SP	

* : CTO Model

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English/Japanese
2005F0500-1
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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2003.09.16	First Edition	
-02	Ver. 2	2003.10.06	△1 Front Page (Model Line Up), Page 1-1, Page 4-1 - 4-3, Page 4-5, Page 4-7 - 4-9, Page 4-11, Page 4-15, Page 4-16, Back Cover	N2003_072AK
-03	Ver. 3	2003.10.27	△2 Front Page (Model Line Up), page 1-1, Page 4-1 - 4-9, page 4-11 - 4-12, Page 4-15 - 4-16, Back Cover	N2003_085AK
-04	Ver. 4	2003.11.19	△3 Front Page, Page 3, page 4-1, Page 4-3 - 4-4, Page 4-6, Page 4-7, Page 4-9, Back Cover	N2003_091CK
-05	Ver. 5	2005.02.07	△4 Page 4-3, Page 4-7, Page 4-11, Page 4-14, Page 5-3 - 5-6	N2004_153CK
-06	Ver. 6	2005.06.09	△5 Page 4-7	N2005_025CK

<Remarks>